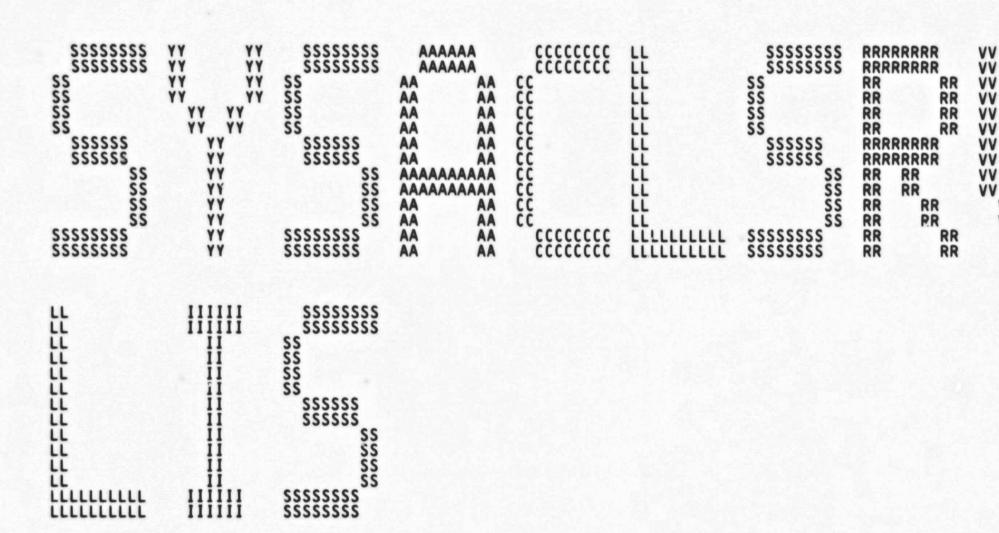
\_\$2

LLL	000000000	)	AAAAAAA AAAAAAA AAAAAAA		DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD		\$	\$
III	000	000		AAA		DD	SSS	SSS
LLL	000	000		AAA		DD	SSS	SSS
LLL	000	000	AAA	AAA	DDD D	DD	SSS	SSS
LLL	000	000		AAA	DDD D	DD	SSS	SSS
LLL	000	000		AAA	DDD D	DD	SSS	SSS
LLL	000	000		AAA	DDD D	DD	SSS	SSS
rrr	000	000		AAA	DDD D	DD	SSSSSSSS	SSSSSSSS
rrr	000	000		AAA		DD	SSSSSSSS	SSSSSSSS
iii	000	000		AAA	DDD D	DD	SSSSSSSS	SSSSSSSS
LLL	000	000	AAAAAAAAAA		DDD D	DD	SSS	SSS
rrr	000	000	AAAAAAAAAA		DDD D	DD	SSS	SSS
LLL	000	000	AAAAAAAAAA		DDD D	DD	SSS	SSS
LLL	000	000		AAA	DDD D	DD	SSS	SSS
LLL	000	000		AAA	DDD D	DD	SSS	SSS
LLL	000	000	AAA	AAA		DD	\$88	SSS
ILLLLLLLLLLLLL	000000000			AAA	DDDDDDDDDDDD		2222222222	SSSSSSSSSSSS
LLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLL	000000000			AAA	DDDDDDDDDDD		2222222222	SSSSSSSSSSSS
LLLLLLLLLLLLLLLL	000000000	,	AAA /	AAA	DDDDDDDDDDD		SSSSSSSSSS	SSSSSSSSSS



Page

(1)

L. Mark Pilant, 12-Sep-1983 15: Make SECURITY the journal name for AUDIT and ALARM ACEs.

12-Sep-1983 15:13

0110

V03-007 LMP0152

SY

Page

(1)

SYSACLSRV V04-000		L 12 16-Sep-1984 01:51:51 VAX-11 Bliss-32 V4.0-742 14-Sep-1984 12:40:53 [LOADSS.SRC]SYSACLSRV.B32;1	Page 3
: 115	0115 1 1	V03-006 LMP0140 L. Mark Pilant, 23-Aug-1983 20:21 Add support for alphanumeric UICs.	
118 119 120	0118 1 0119 1 0120 1	V03-005 LMP0135 L. Mark Pilant, 8-Aug-1983 11:03 Change the parsing and formatting of directory default ACEs slightly.	
122	0122 1 0123 1	V03-004 LMP0123 L. Mark Pilant, 22-Jun-1983 10:36 Change the name of the FLAGS field to OPTIONS.	
125	0125 1 0126 1	V03-003 LMP0122 L. Mark Pilant, 20-Jun-1983 9:14 Add support for a directory default protection ACE.	
128	0128 1 0129 1	V03-002 LMP0114 L. Mark Pilant, 11-May-1983 10:42 Add support for an access bitmask name table.	
115 116 117 118 119 120 121 122 123 124 125 127 128 129 131 133 133 134 135	0131 1 1 0132 1 0133 1 0134 1 1**	V03-001 LMP0103 L. Mark Pilant, 24-Apr-1983 19:14 Add support for HIDDEN and PROTECTED ACEs.	
; 135 ; 136 ; 137	0135 1 0136 1 LIBRAR 0137 1 LIBRAR	RY 'SYS\$LIBRARY:LIB.L32'; RY 'SYS\$LIBRARY:TPAMAC.L32';	

```
M 12
16-Sep-1984 01:51:51
14-Sep-1984 12:40:53
SYSACLSRV
VO4-000
                                                                                                                                                                                  VAX-11 Bliss-32 V4.0-742
CLOADSS.SRCJSYSACLSRV.B32;1
                                                                                                                                                                                                                                                          Page
                                                                                                                                                                                                                                                                    (2)
     ! Declare necessary builtin functions.
                                0140
0141
0142
0143
0144
0144
0145
0155
0157
0161
0163
0165
                                                BUILTIN
                                                                 TESTBITSC.
                                                                INSQUE,
                                                                MOVPSL.
                                                                MTPR,
PROBER,
                                                                PROBEW.
                                                                REMQUE:
                                                LINKAGE
                                                                                                = JSB (REGISTER = 3, REGISTER = 1, REGISTER = 0)
: NOPRESERVE (2)
NOTUSED (4, 5, 6, 7, 8, 9, 10, 11),
                                                                L_PROBE
                                                                                                = JSB (REGISTER = 0; REGISTER = 1)
: NOPRESERVE (2, 3)
NOTUSED (4, 5, 6, 7, 8, 9, 10, 11),
                                                                L_VERIFY
                                                                                                = JSB (REGISTER = 0, REGISTER = 4): NOTUSED (5, 6, 7, 8, 9, 10, 11);
                                                                L_MUTEX
                                                FORWARD ROUTINE
                                                                SYS$PARSE_ACL,
SYS$FORMAT_ACL,
SYS$CHANGE_ACL,
GET_PARENT_LOCK,
                                                                                                                                                    Convert ACE to binary
Convert ACE to text
                                                                                                                                                     Change an object's ACL
                                                                                                                                                    Take out parent for ACL locks
                               0166
0167
0168
0169
0170
0171
0172
0173
0174
0175
0176
                                                ! TPARSE action routine
                                                                                                                                                 ! Save a converted identifier ! Set desired access bit by name
                                                                SET_ID,
SET_ACCESS_BIT,
                                                ! ACL queue head locating routines.
                                                               GET_UCB_ACL,
GET_JBC_ACL,
GET_CEB_ACL,
GET_LNT_ACL,
GET_PCB_ACL,
GET_GBL_ACL,
                                                                                                                                                     For UCBs
                                                                                                                                                     For Job controller queue
                                                                                                                                                     For CEBs
                                                                                                                                                     For logical name tables
                                                                                                                                                    for processes
for global sections
                                                ! ACL action routines.
                                                                ACL_DISPATCH,
RUNDOWN_CHANGE_ACL;
                                                                                                                                                 ! Main ACL function dispatcher
! Clean up $CHANGE_ACL context
                                0184
0185
0186
0187
                                                EXTERNAL ROUTINE
                                                               ACL_ADDENTRY,
ACL_MODENTRY,
ACL_MODENTRY,
ACL_FINDENTRY,
ACL_FINDTYPE,
ACL_DELETEACL,
ACL_READACL,
ACL_ACLLENGTH,
                                                                                                                                                     Add an ACE
                                                                                                                                                  Delete an ACE
Modify an ACE
Locate a specific ACE
Locate a specific ACE
Delete the entire ACL
Read the ACL
Get the ACL's length
                                0188
0189
0190
0191
```

SYS

45

```
N 12
16-Sep-1984 01:51:51
14-Sep-1984 12:40:53
SYSACLSRV
VO4-000
                                                                                                                                                                                VAX-11 Bliss-32 V4.0-742 [LOADSS.SRC]SYSACLSRV.B32;1
                                                                                                                                                                                                                                                         Page
                                                               ACL_READACE,

ACL_LOCATEACE,

ACL_INIT QUEUE,

ALLOC_PAGED,

DALLOC_PAGED,

LIBSTPARSE,

LIBSFID_TO_NAME,

LIBSGET_VM,

LIBSFREE_VM,

EXESPROBER
                                                                                                                                                   Read a single ACE
Locate ACE by context
Initialize the ACL queue
Paged pool allocator
Paged pool deallocator
General purpose parser
FID to file-spec translator
General memory allocater
General memory deallocater
(GENERAL),
Probe buffer for read
      EXESPROBER
                                                                                                 : L_PROBE ADDRESSING_MODE
                                                                                                : L_PROBE ADDRESSING_MODE (GENERAL),
: L_PROBE ADDRESSING_MODE (GENERAL),
: L_VERIFY ADDRESSING_MODE (GENERAL),
                                                                EXESPROBEW
                                                                IOC$VERIFYCHAN
                                                                                                                                                    Verify channel number (GENERAL),
                                                                SCH$LOCKR
                                                                                                 : L_MUTEX ADDRESSING_MODE
                                                                                                                                                     Lock mutex for read (GENERAL),
                                                                SCH$LOCKW
                                                                                                 : L_MUTEX ADDRESSING_MODE
                                                                                                                                                      Lock mutex for write
                                                                SCH$UNLOCK
                                                                                                 : L_MUTEX ADDRESSING_MODE
                                                                                                                                                    (GENERAL):
                                                                                                                                                     Unlock mutex
                                                EXTERNAL
                                0218
0219
0220
0221
0222
0223
                                                                CTL$GL_PCB
                                                                                                : REF $BBLOCK;
                                                                                                                                                ! Address of process PCB
                                                MACRO
                                                                ARG_COUNT =
                                                                                BEGIN
BUILTIN AP:
                                                                                .(.AP)<0.8>
                                02
02
                                                               SET_IPL (LEVEL) =
BEGIN
BUILTIN MTPR;
                                                                                MTPR (%REF (LEVEL), PR$_IPL)
                                                                                END
                                                LITERAL
                                                                                                                                                ! Must parallel [F11X.SRC]FCPDEF.B32
! Max size of an ACL segment
                                                                ACL_TYPE
MAX_ACL_SIZE
                                                                                                = 7;12;
                                                LITERAL
                                                               MIN_OBJECT_TYPE = MINU (ACLSC_FILE,

ACLSC_DEVICE,

ACLSC_JOBCTL_QUEUE,

ACLSC_COMMON_EF_CLUSTER,

ACLSC_LOGICAL_NAME_TABLE,

ACLSC_PROCESS,

ACLSC_GLOBAL_SECTION),
                                                               MAX_OBJECT_TYPE = MAXU (ACL$C_FILE,
ACL$C_DEVICE,
ACL$C_JOBCTL_QUEUE,
ACL$C_COMMON_EF_CLUSTER,
```

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SY
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```
SYSACLSRV
VO4-000
                                                                                                                                                                                                                                               16-Sep-1984 01:51:51
14-Sep-1984 12:40:53
                                                                                                                                                                                                                                                                                                                                         VAX-11 Bliss-32 V4.0-742 [LOADSS.SRC]SYSACLSRV.B32;1
                                                                                                                                                                                                                 ACLSC_LOGICAL_NAME_TABLE,
ACLSC_PROCESS,
ACLSC_GLOBAL_SECTION),
           = MINU (ACLSC_ADDACLENT,
ACLSC_DELACLENT,
ACLSC_MODACLENT,
ACLSC_FNDACLENT,
ACLSC_FNDACETYP,
ACLSC_DELETEACL,
ACLSC_READACL,
ACLSC_READACE,
ACLSC_READACE,
ACLSC_READACE,
ACLSC_READACE,
ACLSC_READACE,
ACLSC_WLOCK_ACL,
ACLSC_WLOCK_ACL,
ACLSC_UNLOCK_ACL),
                                                                                                                       MIN_ACL_ATR
                                                                                                                                                                                 = MAXU (ACLSC_ADDACLENT,
ACLSC_DELACLENT,
ACLSC_MODACLENT,
ACLSC_FNDACLENT,
ACLSC_FNDACETYP,
ACLSC_DELETEACL,
ACLSC_READACL,
ACLSC_ACLLENGTH,
ACLSC_READACE,
ACLSC_RLOCK_ACL,
ACLSC_WLOCK_ACL,
ACLSC_UNLOCK_ACL);
                                                                                                                       MAX_ACL_ATR
            280
           OWN
                                                                                                                       JOURNAL_ACES
                                                                                                                                                                                   : BYTE INITIAL (0),
                                                                                                                                                                                                                                                                                     Journaling ACEs allowed
                                                                                                                                                                                                                                                                                     0 = no support
                                                                                                                     ACE_BUFFER
ACE_INDEX,
ACE_TYPE,
ACE_RIGHTS,
UIC_FLAGS,
UIC_COUNT,
IDENTIFIER
ID_NAME
ID_COUNT,
JOURNAL_NAME
ACCESS_FLAGS,
SYSTEM_PROT
GROUP_PROT
WORLD_PROT
WORLD_PROT
BIT_NAME_TABLE
CHANGE_ACMODE,
CALL_ACMODE,
PARENT_ID,
ACL_QUEUE_HEAD
ACL_POINTER
ACL_SPLIT,
ACE_POINTER
                                                                                                                                                                                                                                                                                     1 = support in
                                                                                                                                                                                                                                                                                     Index into ACE key area
                                                                                                                                                                                    : $BBLOCK [ATR$S_READACL]
                                                                                                                                                                                                                                                                               Index into ACE key area

ACE type code

ACE access rights

UIC conversion flags

Number of UIC id's entered

Converted identifier

! ID name descriptor

Number of identifiers given

! Journal name descr

Audit access flags

System protection default

Owner protection default

World protection default

World protection default

CSBLN,BYTE], ! Access bit name table addr

Access mode for $CHANGE_ACL

Access mode of caller

Parent ID for ACL locks

Address of the ACL queue head

Address of current segment

Offset to ACE in segment

Address of current ACE
                                                           0291
0292
0293
                                                                                                                                                                                   : $BBLOCK [4],
: $BBLOCK [DSCSC_S_BLN],
                                                           0294
0295
0296
0297
                                                                                                                                                                                    : $BBLOCK [DSC$C_S_BLN],
                                                                                                                                                                                          $BBLOCK [4],
$BBLOCK [4],
$BBLOCK [4],
$BBLOCK [4],
                                                           0298
0299
0300
            301
302
303
304
305
306
307
308
309
                                                            0301
0302
0303
                                                                                                                                                                                          REF BLOCKVECTOR [,DSC$C
                                                                                                                                                                                   : REF $BBLOCK,
: REF $BBLOCK,
                                                                                                                                                                                    : REF $BBLOCK,
```

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SY
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```
C 13
16-Sep-1984 01:51:51
14-Sep-1984 12:40:53
SYSACLSRV
VO4-000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   VAX-11 Bliss-32 V4.0-742 ELOADSS.SRCJSYSACLSRV.B32:1
                                                                                                                                                                                    ACE_NUMBER,
ACL_AREA
ACL_CONTEXT,
LOCK_RESNAM
RESNAM_TEXT
                                                                                                                                                                                                                                                                                                                                                                                                                         ! Numeric position of ACE in ACL
! Temp storage for ACL segment
! Context used in $CHANGE_ACL
! Lock resouce name desc
                                                                                          0309
03112
033113
0331145
033116
033116
033122
033226
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03326
                 : $BBLOCK [MAX_ACL_SIZE],
                                                                                                                                                                                                                                                                                : $BBLOCK [DSC$C_S_BLN], ! Lock resouce
: $BBLOCK [31]; ! Actual resource name
                                                                                                                                        ! Macro defining the subfields used within the resource name field.
                                                                                                                                       MACRO
                                                                                                                                                                                    RSN_T_PREFIX
RSN_T_DEVNAM
                                                                                                                                                                                                                                                                                                                                                                                                                                    Lock name prefix
                                                                                                                                                                                                                                                                                                                                                                                                                                    Device name for device and
                                                                                                                                                                                                                                                                                                                                                                                                                                   file type objects
File-id for lock
                                                                                                                                                                                    RSN_W_FID_NUM
RSN_W_FID_SEQ
                                                                                                                                                                                                                                                                                                                       000
                                                                                                                                                                                                                                                                                                                                        32,
16,
16,
                                                                                                                                                                                                                                                                                                                                                                      000
                                                                                                                                                                                                                                                                                                                                                                                                                                   File number
                                                                                                                                                                                                                                                                                                                                                                                                                                   File sequence number
                                                                                                                                       LITERAL
                                                                                                                                                                                    RSN_S_PREFIX
RSN_S_DEVNAM
                                                                                                                                                                                                                                                                               = 8;
                                                                                                                                                                                                                                                                                                                                                                                                                         ! Size of lock name prefix ! Size of device name
                                                                                                                                        ! Assumptions made about various fields used.
                                                                                          0331
0332
0333
0334
0335
0336
0337
0338
0339
                                                                                                                                                 The following assumptions should track the definitions in [RMS.SRC]RMSFILSTR.SDL module RJRDEF and
                                                                                                                                                                                       CVMSLIB.SRCJSTARDEFAE.SDL module ACEDEF
                                                                                                                                       $ASSUME (RJR$S_JNLID EQL 28);
$ASSUME ($BYTEOFFSET (RJR$T_VOLNAM) EQL 8);
$ASSUME ($BYTEOFFSET (RJR$T_FID) EQL 20);
$ASSUME ($BYTEOFFSET (RJR$Q_ID_DATE) EQL 28);
                                                                                         0340
0341
0342
0343
0345
0346
0347
0348
0349
                                                                                                                                       ! Define the default bit names.
                                                                                                                                     BIND
                                                                                                                                                                                                                                                                               = UPLIT
                                                                                                                                                                                     DEFAULT_BITS
                                                                                                                                                                                                                                                                                                                            SDESCRIPTOR
                                                                                                                                                                                                                                                                                                                                                                                             ('READ')
('WRITE')
('EXECUTE'),
('DELETE'),
('CONTROL'),
                                                                                                                                                                                                                                                                                                                        $DESCRIPTOR ('DELETE'),
$DESCRIPTOR ('CONTROL')
$DESCRIPTOR ('BIT_5'),
$DESCRIPTOR ('BIT_6'),
$DESCRIPTOR ('BIT_7'),
$DESCRIPTOR ('BIT_7'),
$DESCRIPTOR ('BIT_9'),
$DESCRIPTOR ('BIT_10'),
$DESCRIPTOR ('BIT_11'),
$DESCRIPTOR ('BIT_11'),
$DESCRIPTOR ('BIT_12'),
$DESCRIPTOR ('BIT_13'),
$DESCRIPTOR ('BIT_13'),
$DESCRIPTOR ('BIT_14'),
$DESCRIPTOR ('BIT_15'),
$DESCRIPTOR ('BIT_16'),
$DESCRIPTOR ('BIT_16'),
$DESCRIPTOR ('BIT_16'),
$DESCRIPTOR ('BIT_16'),
$DESCRIPTOR ('BIT_19'),
$DESCRIPTOR ('BIT_19'),
$DESCRIPTOR ('BIT_19'),
$DESCRIPTOR ('BIT_20'),
$DESCRIPTOR ('BIT_21'),
                                                                                          0351
0352
0353
0354
0355
0356
0357
0358
0359
                                                                                          0360
0361
0362
0363
0364
0365
```

Page

VAX-11 Bliss-32 V4.0-742 LLOADSS.SRCJSYSACLSRV.B32:1

```
SY
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(3)

```
SYSACLSRV
VO4-000
                                                                                                                                    16-Sep-1984 01:51:51
14-Sep-1984 12:40:53
                                                                                                                                                                                     VAX-11 Bliss-32 V4.0-742 
LLOADSS.SRCJSYSACLSRV.B32:1
                                 TPARSE tables for $PARSE_ACL
                                                  *SBTTL 'TPARSE tables for $PARSE_ACL'
! TPARSE tables to parse an Access Control List (ACL) entry.
                                0388
0389
0391
0392
0393
0394
0396
0397
0398
SINIT_STATE
                                                                                   (ACE_STATE, ACE_KEY);
       394
395
                                                 ! Determine the type of ACE
       3967
3998
3999
4002
4007
4007
4008
4009
4011
                                                 SSTATE
                                                                  ("(")
                                 0399
0400
0401
0402
0403
0404
0406
0407
                                                                  (GET_KEYWORD,
('IDENTIFIER',GET_ID,,ACE$C_KEYID,ACE_TYPE),
('BI_JOURNAL_NAME',GET_JNL,,ACE$C_BIJNL,ACE_TYPE),
('AI_JOURNAL_NAME',GET_JNL,,ACE$C_AIJNL,ACE_TYPE),
('AT_JOURNAL_NAME',GET_JNL,,ACE$C_ATJNL,ACE_TYPE),
('AUDIT_JOURNAL',GET_AUDIT,,ACE$C_AUDIT,ACE_TYPE),
('ALARM_JOURNAL',GET_ALARM,,ACE$C_ALARM,ACE_TYPE),
('ACCESS',GET_ACCESS),
                                                 $STATE
                                                                     'ACCESS', GET_ACCESST
'OPTIONS', GET_FLAGS)
                                                                     'DEFAULT_PROTECTION', GET_PROT, ACESC_DIRDEF, ACE_TYPE)
                                 0408
                                 0409
                                 0410
0411
0412
0413
0414
0415
0416
0417
0418
                                                 SSTATE
                                                                   (f,',GET_KEYWORD),
(')',CHK_FOR_END)
                                                  ! Access Control Entry.
                                                                  (GET_ID,
                                                  $STATE
      0420
04223
04223
04224
04226
04226
04226
0423
0433
0433
0433
0433
0433
0433
                                                                  (GET_IDTYPE,
(TPAS_IDENT,,,,IDENTIFIER)
                                                 $STATE
                                                  ! Check for the end of the identifier.
                                                                  CHK_ENDID
                                                 $STATE
                                                                   (','.GET_KÉYWORD,SET_ID),
('+'.GET_IDTYPE,SET_ID),
(')',CHK_FOR_END,SET_ID)
                                                  ! RMS Journal name
                                                                  (GET JNL.
                                                  $STATE
                                                                   (":")
                             P
                                 0438
                                                  SSTATE
                                 0440
                                                                   ((GET_STRING),,,,JOURNAL_NAME)
                                                  ! Check for the end of the journal name.
```

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SY
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```
SYSACLSRV
VO4-000
                                                                                                          16-Sep-1984 01:51:51
14-Sep-1984 12:40:53
                                                                                                                                                  VAX-11 Bliss-32 V4.0-742 [LOADSS.SRC]SYSACLSRV.B32;1
                                                                                                                                                                                                              Page
                          TPARSE tables for $PARSE_ACL
                         0445
0446
0447
0448
0450
0451
0453
0454
    44450123456789
44456789
                                                     (')', CHK_FOR_END)
                                       ! File access audit.
                                                     (GET_AUDIT, ('='), (':')
                                       $STATE
                          0455
0456
0457
0458
0469
0461
0463
0464
0465
                                       SSTATE
                                                     ((GET_STRING),,,,JOURNAL_NAME)
    ! Check to see if there is an access type to follow
                                       SSTATE
                                                    (F, GET_KEYWORD),
                         0466
0467
0468
0469
0471
0472
0473
0474
0477
0478
0479
0480
                                       ! File access alarm
                                                     (GET_ALARM,
('='),
(':')
                                       $STATE
                                       $STATE
                                                     ((GET_STRING),,,,JOURNAL_NAME)
                                       ! Check to see if there is an access type to follow
                                       SSTATE
                                                    (f,',GET_KEYWORD),
(')',CHK_FOR_END)
                         0481
0482
0483
0484
0485
0486
0487
0491
0491
0493
0494
                                       ! Get the access type code
                                                     (GET_ACCESS,
                                       SSTATE
                                                     (GET_ACCTYPE,
('SUCCESS'...ACESM_SUCCESS.ACCESS_FLAGS),
('FAILURE'...ACESM_FAILURE,ACCESS_FLAGS),
                                       SSTATE
                                                      ((GET_STRING),,SET_ACCESS_BIT)
                         0495
0496
0497
0498
0499
                                       SSTATE
                                                     ("+",GET_ACCTYPE),
(")",CHK_FOR_END),
(",",GET_KEYWORD)
                                       ! Get any special flags applied to the ACE.
```

```
SY
```

```
G 13
16-Sep-1984 01:51:51
14-Sep-1984 12:40:53
SYSACLSRV
VO4-000
                                                                                                                                                                                                                                                    VAX-11 Bliss-32 V4.0-742 [LOADSS.SRC]SYSACLSRV.B32:1
                                                                                                                                                                                                                                                                                                                                                                      (3)
                                                                                                                                                                                                                                                                                                                                                        Page
                                            TPARSE tables for $PARSE_ACL
        504
505
506
507
                                     P 0503
P 0504
P 0506
P 0507
P 0508
P 0510
P 0511
P 0513
P 0516
P 0517
0518
0519
                                                                                         (GET_FLAGS, ('='), (':')
                                                                  SSTATE
        508
509
510
                                                                                        (GET_FLAGTYPE,
('DEFAULT', ...ACESM_DEFAULT, ACE_BUFFER[ACESW_FLAGS]),
('HIDDEN', ...ACESM_HIDDEN, ACE_BUFFER[ACESW_FLAGS]),
('PROTECTED', ...ACESM_PROTECTED, ACE_BUFFER[ACESW_FLAGS]),
('NOPROPAGATE', ...ACESM_NOPROPAGATE, ACE_BUFFER[ACESW_FLAGS]),
                                                                  SSTATE
        511
                                                                                          ('NONE')
        516
517
                                                                  SSTATE
                                                                                         ('+',GET_FLAGTYPE),
(')',CHK_FOR_END),
(',',GET_KEYWORD)
        518
519
       0520
0521
                                                                  ! Get the directory default protection.
                                     P 0522
P 0523
0524
P 0525
P 0526
P 0527
P 0528
P 0529
                                                                                        (GET_PROT.
                                                                  SSTATE
                                                                                        (GET_PROT_CLASS,
('SYSTEM',GET_SYS_PRO),
('OWNER',GET_DWN_PRO),
('GROUP',GET_GRP_PRO),
('WORLD',GET_WOR_PRO),
                                                                  $STATE
                                      P 0530
                                                                                          (TPA$_LAMBDA,GET_KEYWORD)
                                     P 0532
P 0533
P 0534
P 0535
P 0536
P 0537
P 0538
P 0539
                                                                                         (GET_SYS_PRO.
                                                                 SSTATE
                                                                                          ("=")
                                                                                         (TPA$_LAMBDA,CHK_END_PRO)
                                                                                        (GET_SYS_PRO1,
('R',GET_SYS_PRO1,,ARM$M_READ,SYSTEM_PROT),
('W',GET_SYS_PRO1,,ARM$M_WRITE,SYSTEM_PROT),
('E',GET_SYS_PRO1,,ARM$M_EXECUTE,SYSTEM_PROT),
('D',GET_SYS_PRO1,,ARM$M_DELETE,SYSTEM_PROT),
('C',GET_SYS_PRO1,,ARM$M_CONTROL,SYSTEM_PROT),
(TPA$_LAMBDA,CHK_END_PRO)
                                                                 SSTATE
        P 0540
                                     P 0541
P 0542
P 0543
0544
                                     P 0545
P 0546
P 0547
P 0548
                                                                                         (GET_OWN_PRO,
                                                                  SSTATE
                                                                                          (TPA$_LAMBDA,CHK_END_PRO)
                                                                                       (GET_OWN_PRO1,

('R'.GET_OWN_PRO1, ARM$M_READ,OWNER_PROT),

('W',GET_OWN_PRO1, ARM$M_WRITE,OWNER_PROT),

('E'.GET_OWN_PRO1, ARM$M_EXECUTE,OWNER_PROT),

('D'.GET_OWN_PRO1, ARM$M_DELETE,OWNER_PROT),

('C'.GET_OWN_PRO1, ARM$M_CONTROL,OWNER_PROT),

(TPA$_LAMBDA,CHK_END_PRO)
                                           05551
05553
05553
05554
05557
                                                                  SSTATE
                                                                  SSTATE
                                                                                        (GET_GRP_PRO,
```

```
SYS
```

Page 12 (3)

```
SYSACLSRV
VO4-000
                                                                                                                                                        16-Sep-1984 01:51:51
14-Sep-1984 12:40:53
                                                                                                                                                                                                                 VAX-11 Bliss-32 V4.0-742 [LOADSS.SRC]SYSACLSRV.B32;1
                                      TPARSE tables for $PARSE_ACL
                                                                             (:::);
                                    (TPA$_LAMBDA, CHK_END_PRO)
       (GET_GRP_PRO1,

('R',GET_GRP_PRO1,,ARM$M_READ,GROUP_PROT),

('W',GET_GRP_PRO1,,ARM$M_WRITE,GROUP_PROT),

('E',GET_GRP_PRO1,,ARM$M_EXECUTE,GROUP_PROT),

('D',GET_GRP_PRO1,,ARM$M_DELETE,GROUP_PROT),

('C',GET_GRP_PRO1,,ARM$M_CONTROL,GROUP_PROT),

(TPA$_LAMBDA,CHK_END_PRO)
                                                         SSTATE
                                                                             (GET_WOR_PRO.
                                                         SSTATE
                                                                             (TPA$_LAMBDA, CHK_END_PRO)
                                                                           (GET_WOR_PRO1,
('R',GET_WOR_PRO1,.ARM$M_READ,WORLD_PROT),
('W',GET_WOR_PRO1,.ARM$M_WRITE,WORLD_PROT),
('E',GET_WOR_PRO1,.ARM$M_EXECUTE,WORLD_PROT),
('D',GET_WOR_PRO1,.ARM$M_DELETE,WORLD_PROT),
('C',GET_WOR_PRO1,.ARM$M_CONTROL,WORLD_PROT),
(TPA$_LAMBDA,CHK_END_PRO)
                                                         SSTATE
                                    0585
0586
0587
0588
0589
                                                                           (CHK_END_PRO,
(',',GET_PROT_CLASS),
(')',CHK_FOR_END)
                                                        SSTATE
                                0590
0591
P 0592
P 0593
P 0594
P 0595
       592
593
                                                       ! Parse off a random string.
       594
595
596
597
                                                                           (GET_STRING,
(',',TPAS_FAIL),
(')',TPAS_FAIL),
(TPAS_EOS,TPAS_FAIL),
((GET_STRING1))
                                                        SSTATE
                                     0596
0597
        598
        599
                                                                            (GET_STRING1,
((CHR_DELIM),GET_STRING1),
(TPA$_LAMBDA,TPA$_EXIT)
                                     0598
0599
       600
                                                        SSTATE
       601
                                     0600
       603
                                      0601
                                                                            (CHK_DELIM,
('+',TPAS_FAIL),
(',',TPAS_FAIL),
(')',TPAS_FAIL),
(TPAS_EOS,TPAS_FAIL),
(TPAS_ANY,TPAS_EXIT)
                                     0602
                                                         SSTATE
       606
                                      0604
                                     0605
0606
0607
       608
       609
                                       0608
       610
                                      0609
       611
                                      0610
0611
                                                         ! Check for the end of the ACE. Trailing blanks are allowed.
                                     0612
0613
0614
                                                                            (CHK_FOR_END,
(TPA$_EOS,TPA$_EXIT),
                                                         SSTATE
       616
```

VO

```
SYS
VO4
```

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```
SYSACLSRV
VO4-000
                                                                                                                                  16-Sep-1984 01:51:51
14-Sep-1984 12:40:53
                                                                                                                                                                                   VAX-11 Bliss-32 V4.0-742 [LOADSS.SRC]SYSACLSRV.B32;1
                                SPARSE_ACL system service
                                0673
0673
0673
0675
06677
0681
0688
0688
0688
0691
0693
0693
0693
0693
0693
0693
                                                     Check to see if an access bit name table was supplied. If so, use it
                                                 ! rather than the default table.
                                                BIT_NAME_TABLE = 0;

IF .BIT_TABLE NEQA 0

THEN IF PROBER (%REF (0), %REF (256), .BIT_TABLE)

THEN BIT_NAME_TABLE = .BIT_TABLE

ELSE RETURN SS$_ACCVIO;
                                                ! Set up initial parameters.
                                                CH$FILL (0, ATR$S READACL, ACE BUFFER);
ACE_INDEX = ACE_TYPE = ACE_RIGHTS = 0;
UIC_FLAGS = UIC_COUNT = 0;
ID_COUNT = 0;
ACCESS_FLAGS = 0;
JOURNAL_NAME[DSC$W_LENGTH] = ID_NAME[DSC$W_LENGTH] = 0;
SYSTEM_PROT = OWNER_PROT = GROUP_PROT = WORLD_PROT = 0;
     688
689
690
691
     694
                                                CH$fill (0, TPA$K_LENGTHO, TPARSE_BLOCK);
TPARSE_BLOCK[TPA$C_COUNT] = TPA$K_COUNTO;
TPARSE_BLOCK[TPA$V_ABBREV] = 1;
IF PROBER (%REF (0), %REF (DSC$C_S_BLN), .ACL_STRING)
     696
697
     698
      699
                                                 THEN
      700
701
                                                         BEGIN
                                                        ACL_STRING_LEN = TPARSE_BLOCK[TPA$L_STRINGCNT] = .ACL_STRING[DSC$W_LENGTH];
IF EXESPROBER (0, .ACL_STRING_LEN, .ACL_STRING[DSC$A_POINTER])
THEN TPARSE_BLOCK[TPA$[_STRINGPTR] = .ACL_STRING[DSC$A_POINTER]
      702
703
704
705
706
707
708
709
                                                         ELSE RETURN SS$_ACCVIO;
                                0702
0703
                                                ELSE RETURN SS$_ACCVIO;
                                0704
0705
                                                STATUS = LIBSTPARSE (TPARSE_BLOCK, ACE_STATE, ACE_KEY);
                                0706
0707
0708
                                                ! If necessary set the number of characters processed.
                                                IF .ERROR_POSITION NEQA 0
THEN IF PROBEW (%REF (0), %REF (2), .ERROR_POSITION)
THEN ERROR_POSITION[0] = .ACL_STRING_[EN -
.TPARSE_BLOCK[TPA$L_STRINGCNT]
                                0709
0710
0711
0712
0713
0714
0715
0716
                                                ! If there 1) are any syntax errors, 2) is an invalid ACE type (zero), ! or 3) is remaining text to the ACE; return an error.
     718
719
720
721
722
723
724
725
726
727
730
731
                                                IF .STATUS EQL LIBS_SYNTAXERR

OR .ACE_TYPE EQL 0

OR (.STATUS AND .TPARSE_BLOCK[TPA$L_STRINGCNT] GTR 0)

THEN RETURN SSS_IVACL;
                                                IF NOT .STATUS THEN RETURN .STATUS;
                                                ! Set up the standard ACE fields.
                                                 ACE_BUFFER[ACE$B_TYPE] = .ACE_TYPE
                                                 ACE_BUFFER[ACESW_FLAGS] = .ACE_BUFFER[ACESW_FLAGS]
```

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```
K 13
16-Sep-1984 01:51:51
14-Sep-1984 12:40:53
SYSACLSRV
VO4-000
                                                                                                                                                                                        VAX-11 Bliss-32 V4.0-742 [LOADSS.SRC]SYSACLSRV.B32;1
                                 SPARSE_ACL system service
                                                  OR .UIC_FLAGS
OR .ACCESS_FLAGS;
ACE_BUFFER[ACE$L_ACCESS] = .ACE_RIGHTS;
      ! Based upon the type code, finish up the ACE. Then do the final error ! checking to make sure that I didn't get more than I wanted.
                                                  CASE .ACE_TYPE FROM ACESC_KEYID TO ACESC_DIRDEF OF
                                                  SET
                                                           [ACESC KEYID]:
                                                                  IF .ACCESS_FLAGS_NEQ_0
OR .JOURNAL_NAME[DSC$W_LENGTH] NEQ_0
OR .UIC_COUNT GTR 1
OR .ACE_INDEX EQL_0
THEN RETURN SS$_IVACL;
ACE_BUFFER[ACE$B_SIZE] = ACE$C_LENGTH + .ACE_INDEX * 4;
                                 END.
                                                          CACESC_BIJNL,
ACESC_AIJNL,
ACESC_ATJNLJ:
BEGIN
                                                                  IF NOT .JOURNAL ACES THEN RETURN SS$_IVACL;
IF .UIC_COUNT NEQ 0
OR .ID_COUNT NEQ 0
OR .ACCESS_FLAGS NEQ 0
OR .ACE_RIGHTS NEQ 0
THEN RETURN SS$_IVACL;
                                                                 END:

CACESC_AUDIT,

ACESC_ALARMJ:

BEGIN
                                                                  OR . ID COUNT NEQ O
                                                                  OR .JOURNAL_NAME[DSC$W_LENGTH] NEQ %CHARCOUNT ('SECURITY')
OR CH$NEQ (%CHARCOUNT ('SECURITY'), UPLIT ('SECURITY'),
.JOURNAL_NAME[DSC$W_LENGTH], .JOURNAL_NAME[DSC$A_POINTER], 0)
                                                                 THEN RETURN SS IVACL;
CHSMOVE (.JOURNAL_NAME[DSCSW_LENGTH],
.JOURNAL_NAME[DSCSW_LENGTH],
.JOURNAL_NAME[DSCSA_POINTER],
ACE_BUFFER[ACESL_KEY]);
ACE_BUFFER[ACESL_KEY]);
ACE_BUFFER[ACESB_SIZE] = ACESC_LENGTH + .JOURNAL_NAME[DSCSW_LENGTH];
END;
END;
                                                          [ACESC DIRDEF]:
                                                                   IF .ACCESS FLAGS NEQ 0
OR .JOURNAL NAME[DSC$W_LENGTH] NEQ 0
OR .UIC_COUNT NEQ 0
OR .ID_COUNT NEQ 0
                                                                   THEN RETURN SS$ IVACL;
SYSTEM_PROT = NOT .SYSTEM_PROT;
SYSTEM_PROT[ARM$V_FILL] = 0;
```

```
L 13
16-Sep-1984 01:51:51
14-Sep-1984 12:40:53
SYSACLSRV
VO4-000
                                                                                                                                  VAX-11 Bliss-32 V4.0-742 [LOADSS.SRC]SYSACLSRV.B32;1
                                                                                                                                                                                       Page 16 (4)
                       $PARSE_ACL system service
                                              ACE_BUFFER[ACE$L_SYS_PROT] = .SYSTEM_PROT;
OWNER_PROT = NOT .OWNER_PROT;
OWNER_PROT[ARM$V_FILL] = 0;
ACE_BUFFER[ACE$L_OWN_PROT] = .OWNER_PROT;
GROUP_PROT = NOT .GROUP_PROT;
GROUP_PROT[ARM$V_FILL] = 0;
ACE_BUFFER[ACE$L_GRP_PROT] = .GROUP_PROT;
WORLD_PROT = NOT .WORLD_PROT;
WORLD_PROT[ARM$V_FILL] = 0;
ACE_BUFFER[ACE$L_WOR_PROT] = .WORLD_PROT;
ACE_BUFFER[ACE$L_WOR_PROT] = .WORLD_PROT;
ACE_BUFFER[ACE$B_SIZE] = ACE$C_LENGTH + 16;
END;
                                               END,
                                          [INRANGE
                                           OUTRANGEJ: RETURN SS$_IVACL;
                                   TES:
                                   ! Check to make sure there is room to receive the ACE.
                                   IF PROBER (%REF (0), %REF (DSC$C_S_BLN), .ACL_ENTRY)
                                   THEN
                       0806
0807
0808
0809
0810
0811
0812
                                         BEGIN
                                        0814
0815
                                   ELSE RETURN SS$_ACCVIO;
                                   RETURN SS$_NORMAL;
    821
                       0818
                                   END:
                                                                                                          ! End of routine SYS$PARSE_ACL
                                                                                                             .TITLE
                                                                                                                         SYSACLSRV
                                                                                                                         \V04-000\
                                                                                                             .PSECT _LIB$KEY1$, NOWRT, SHR, PIC,1
                                                                                         00000 ;TPASKEYSTO
                                                                                                              BLKB
                                        49
                                                   49
                                                                     45 44
                                                                                         00000 : TPASKEYST
                                             46
                                                         54
                                                               4E
                                                                                                 U.5:
                                                                                                             .ASCII
                                                                                                                         \IDENTIFIER\
                                                                                                 TPASKEYSTO
                                                                                         0000B
                                                                                                              .BLKB
                                                                                         0000B
45 4D 41 4E 5F 4C 41 4E 52 55 4F 4A 5F 49
                                                                                                 : TPASKEYST
                                                                                                  Ú.13:
                                                                                                             .ASCII
                                                                                                                         \BI_JOURNAL_NAME\
                                                                                         0001B
                                                                                                 : TPASKEYSTO
                                                                                                  U.19:
                                                                                                              .BLKB
                                             52 55 4F
                                                                                         0001B : TPASKEYST
          41 4E 5F 4C 41 4E
                                                               4A 5F 49
                                                                                                  U.21:
                                                                                                             .ASCII
                                                                                                                         \AI_JOURNAL_NAME\
                                                                                                  : TPASKEYSTO
                                                                                                  U.26:
                                                                                                             .BLKB
                                                                                                                         0
```

SYS

5 Y S V 0 4	ACLS -000	RV		SPA	RSE_	ACL	syst	em s	ervi	ce					M 13 16-Sep-1984 01:51:51 VAX-11 Bliss-32 V4.0-742 14-Sep-1984 12:40:53 [LOADSS.SRC]SYSACLSRV.B32	;1 Page 1
45	40	41	4E	5F	40	41	4E	52	55	4F	4A	5F	54	41	02B ;TPA\$KEYST	
														FF	U.28: .ASCII \AT_JOURNAL_NAME\ 03A .BYTE -1 03B ;TPA\$KEYSTO	:
			,,		-		,.			.,					U.33: .BLKB 0	
		40	41	4E	52	55	4F	4A	5F	54	49	44	55	41	03B :TPA\$KEYST U.35: .ASCII \AUDIT_JOURNAL\ 048 .BYTE -1	:
														FF	1049 ; IPASKEYSTO	•
		40	41	4E	52	55	4F	4A	5F	40	52	41	40	41	U.41: .BLKB 0 049 :TPA\$KEYST U.43: .ASCII \ALARM_JOURNAL\	
														FF	U.43: .ASCII \ALARM_JOURNAL\ 056 BYTE -1 057 ;TPA\$KEYSTO	
									53	53	45	43	43	41	U.49: BLKB 0	
									,,	,,	7,	73	7,	FF	U.51: ASCII \ACCESS\	:
														Ä	05E :TPA\$KEYSTO U.55: BLKB 0	
								53	4E	4F	49	54	50	4F	05E :TPA\$KEYST U.57: .ASCII \OPTIONS\	
														FF	065 BYTE -1	
4	43	45	54	4F	52	50	5F	54	40	55	41	46	45	44	U.61: .BLKB 0	
												4E	4F	49	U.63: .ASCII \DEFAULT_PROTECTION\	
														FF	079 ; TPASKEYFILL	
															U.69: BYTE -1	,
								53	53	45	43	43	55		U.116: .BLKB 0	
														FF	U.118: .ASCII \SUCCESS\  081	
								45	52	55	4.0	40	41	46	U.122: .BLKB 0	
								7,	,,	,,	7.	7,	71	FF	U.124: ASCII \FAILURE\	
															08A : TPA\$KEYSTO U.128: .BLKB 0	
											45	4E	4F	4E	MA . TDARVEVCT	
														FF	U.130: .ASCII \NONE\ 08E	i
															U.135: BYTE -1	:
								54	40	55	41	46	45	44	UTU , IFMAREISI	
														FF	U.146: .ASCII \DEFAULT\ 1097 .BYTE -1	
															098 :TPA\$KEYSTO U.150: .BLKB 0	
									4E	45	44	44	49	48	098 :TPASKEYST U.152: .ASCII \HIDDEN\	:

SYS VO4

SYSACLSRV V04-000	SPA	RSE_	ACL	syst	em s	ervi	ce						13 -Sep-1984 01:51 -Sep-1984 12:40		VAX-11 Bliss-32 V4.0-742 CLOADSS.SRCJSYSACLSRV.B32;1	Page 1
											FF	0009E 0009F	TPASKEYSTO	-1 0		;
			44	45	54	43	45	54	4F	52	50	0009F	; TPASKEYST		TECTED\	
											FF	8A000	U.158: .ASCII BYTE TPASKEYSTO	-1		:
	45	54	41	47	41	50	4F	52	50	4F	4E		U.162: .BLKB	0		
											FF	000B4	U.164: .ASCII	NOPR	ROPAGATE	1
												000B5	:TPASKEYSTO	0		
								45	4E	4F	4E	000B5	U.170: .ASCII	NONE	<b>\</b>	:
											FF	000B9 000BA	TPASKEYFILL	-1		•
												000BB	U.172: BYTE	-1		
						40	45	54	53	59	53	000BB	U.180: BLKB :TPASKEYST U.182: ASCII	0	rem\	
											FF	000C1	U.182: .ASCII BYTE TPASKEYSTO	-1	ient .	:
							52	45	4E	57	4F		U.186: BLKB	0		
							-				FF	000C7	U.188: .ASCII	OWNE	R\	•
												83000	TPASKEYSTO	0		
							50	55	45	52	47		:TPASKEYST U.194: .ASCII	\GROU	JP\	
											FF	000CD	BYTE	-1		
							44	40	52	4F	57	000CE	TPASKEYSTO U.198: BLKB TPASKEYST U.200: ASCII	0		
											FF	000D3	U.200: ASCII	-1	.D\	
											FF	00004	TPASKEYFILL U.206: BYTE	-1		;
													.PSECT	_LIB\$	STATES, NOWRT, SHR, PIC,1	
												00000	ACE_STATE::	0		
										0	428	00000	: TPASTYPE	1064		
												00002	U.2: .WORD GET_KEYWORD: .BLKB	0		
											100		: TPASTYPE	28928		
												00004	:TPASADDR		_TYPE-U.7>-4>	
									(	0000			: TPASMASK	1		
										0	*0000	00000	TPASTARGET	< <u.9< td=""><td>9-u.10&gt;-2&gt;</td><td>:</td></u.9<>	9-u.10>-2>	:

SYS VO4

SYSACLSR V04-000

\$PARSE\_ACL system service

	1	B 14 6-Sep-1984 01:51 4-Sep-1984 12:40	:51 :53	VAX-11 Bliss-32 V4.0-742 [LOADSS.SRC]SYSACLSRV.B32;1	Page	19
7101	0000E	TPASTYPE	20020			
00000000*	00010		28929			
00000002	00014			_TYPE-U.15>-4>	•	
0000*	00018		2			
7102	0001A			7-U.18>-2>	:	
00000000*	00010	U.22: .WORD	28930		•	
00000003	00020	U.23: LONG		_TYPE-U.23>-4>	;	
0000*		U.24: .L.	3		:	
7103	00026	U.25: .WORD	< <u.1< td=""><td>7-U.25&gt;-2&gt;</td><td>:</td><td></td></u.1<>	7-U.25>-2>	:	
00000000*		U.29: .WORD	28931		:	
00000004	00020	U.30: .LONG	< <ace< td=""><td>_TYPE-U.30&gt;-4&gt;</td><td>:</td><td></td></ace<>	_TYPE-U.30>-4>	:	
		U.31: .LONG	4		;	
0000*		U.32: .WORD	< <u.1< td=""><td>7-U.32&gt;-2&gt;</td><td></td><td></td></u.1<>	7-U.32>-2>		
7104	00032	U.36: .WORD	28932			
00000000*		U.37: .LONG	< <ace< td=""><td>_TYPE-U.37&gt;-4&gt;</td><td></td><td></td></ace<>	_TYPE-U.37>-4>		
00000005	00038	U.38: .LONG	5			
0000*	0003C	;TPASTARGET U.40: .WORD	< <u.3< td=""><td>9-U.40&gt;-2&gt;</td><td></td><td></td></u.3<>	9-U.40>-2>		
7105	0003E		28933			
00000000*	00040	TPASADDR U.45: LONG		_TYPE-U.45>-4>		
00000006	00044	; TPASMASK	6	1116-01422-42		
0000*	00048	; TPASTARGET		7.11 /0> 2>		
1106	0004A			7-U.48>-2>		
0000*	0004C	U.52: .WORD	4358		•	
1107	0004E	U.54: WORD		3-U.54>-2>	•	
0000*	00050	U.58: .WORD ;TPASTARGET	4359		:	
7508		U.60: .WORD		9-U.60>-2>	•	
00000000*		U.64: .WORD	29960		:	
00000009		U.65: LONG	< <ace< td=""><td>_TYPE-U.65&gt;-4&gt;</td><td>:</td><td></td></ace<>	_TYPE-U.65>-4>	:	
		U.66: LONG	9		:	
1020		U.68: WORD	< <u.6< td=""><td>7-U.68&gt;-2&gt;</td><td>:</td><td></td></u.6<>	7-U.68>-2>	:	
1020	3000	, IF NOTIFE				

		C 14 6-Sep-1984 4-Sep-1984			Page	20 (4)
0000+	20040			4140	:	
	00060	U.71: .W		< <get_keyword-u.71>-2&gt;</get_keyword-u.71>	:	
1429	00062	U.72: .W		5161	;	
0000*	00064	U.74: .W	IORD <	< <u.73-u.74>-2&gt;</u.73-u.74>	:	
	00066	U.9: .B	LKB 0	0		
003D	00066	U.75: .W	IORD 6	61		
043A	00068	U.76: .W	ORD 1	1082		
		GET_IDTYPE	LKB 0			
45EC	0006A	; TPASTYPE		17900		
00000000*	00060	; TPASADDR		< <identifier-u.78>-4&gt;</identifier-u.78>		
	00070	CHK_ENDID:	LKB 0			
9020	00070	; TPASTYPE		-28628		
00000000v	00072	; TPASACTIO	N		•	
0000*	00076	; TPASTARGE	T	< <set_id=u.80>-4&gt;</set_id=u.80>	•	
902B	00078	; TPASTYPE		< <get_keyword-u.81>-2&gt;</get_keyword-u.81>	•	
00000000v	0007A	; TPASACTIO	N	-28629	•	
0000*	0007E	; TPASTARGE	T	< <set_id-u.83>-4&gt;</set_id-u.83>	:	
9429	00080	; TPASTYPE		< <get_idtype-u.84>-2&gt;</get_idtype-u.84>	:	
00000000v	00082	U.85: .W	ORD -	-27607	:	
		U.86: .L	ONG <	< <set_id-u.86>-4&gt;</set_id-u.86>	:	
				< <u.73-u.87>-2&gt;</u.73-u.87>	:	
003D		U.17: .B	LKB 0	)		
043A		U.88: .W	ORD 6	51	:	
4DF8			ORD 1	1082	:	
		U.90: .W	ORD 1	19960	:	
		TPASSUBEX	ORD <	< <u.91-u.92>-2&gt;</u.91-u.92>	:	
00000000*		:TPASADDR U.93: L	ONG <	<journal_name-u.93>-4&gt;</journal_name-u.93>	:	
1429	00094	U.94: .W	ORD 5	5161	:	
0000*	00096	Ú.95: .W	ORD <	< <u.73-u.95>-2&gt;</u.73-u.95>	:	
	00098	; GET_AUDIT	LKB 0			

YSACLSRV 04-000	\$PARSE_ACL system service		D 14 16-Sep-1984 01:57 14-Sep-1984 12:40	1:51	VAX-11 Bliss-32 V4.0-742 [LOADSS.SRC]SYSACLSRV.B32;1	Page 2
		003D	00098 :TPASTYPE U.96: .WORD	61		
		043A	0009A ; TPASTYPE			•
		4DF8	0009C ;TPASTYPE	1082		
		0000*	0009E ;TPA\$SUBEXP	1996		
		00000000*	000A0 ;TPASADDR		91-U.99>-2>	
		1020	000A4 ;TPASTYPE		URNAL_NAME-U.100>-4>	
		0000*	000A6 ;TPASTARGET	4140		•
		1429	000A8 ; TPASTYPE		T_KEYWORD-U.102>-2>	
		0000*	000AA ; TPASTARGET	5161		:
			000AC ;GET_ALARM		73-U.104>-2>	
		003D	000AC TPASTYPE	0		
		043A	000AE ;TPASTYPE	61		;
		4DF8	000B0 ; TPASTYPE	1082		:
		0000*	000B2 ;TPA\$SUBEXP	1996		:
		00000000*	000B4 ;TPASADDR	< <u.< td=""><td>91-U.108&gt;-2&gt;</td><td>;</td></u.<>	91-U.108>-2>	;
		1020	OOORS .TPASTYPE		URNAL_NAME-U.109>-4>	:
		0000*	0.110: .WORD	4140		:
		1429	000BA :TPASTARGET U.111: WORD 000BC :TPASTYPE	< <ge< td=""><td>T_KEYWORD-U.111&gt;-2&gt;</td><td>;</td></ge<>	T_KEYWORD-U.111>-2>	;
		0000*	000BE ; TPASTARGET	5161		:
			000CO ;GET_ACCESS	< <u.< td=""><td>73-U.113&gt;-2&gt;</td><td></td></u.<>	73-U.113>-2>	
		0030	000CO ; TPASTYPE	0		
		043A	000C2 ;TPASTYPE	61		:
		0434	000C4 GET_ACCTYPE:	1082		;
		6109	000C4 ; TPASTYPE	0		
		00000000	000C6 :TPASADDR	2484		:
			000CA ; TPASMASK	< <ac< td=""><td>CESS_FLAGS-U.120&gt;-4&gt;</td><td>:</td></ac<>	CESS_FLAGS-U.120>-4>	:
		00000001	U.171: .LONG	1		:
		0000000	000CE ; TPASTYPE U.125: .WORD 000DO ; TPASADDR U.126: .LONG	2484	2	;
		0000000	00000 ; TPASADDR 0.126: LONG 00004 ; TPASMASK	< <ac< td=""><td>CESS_FLAGS-U.126&gt;-4&gt;</td><td>:</td></ac<>	CESS_FLAGS-U.126>-4>	:

SPARSE_ACL	system	service
	-,	

14-Sep-1984 12:40:53 [LOADSS.SRC]SYSACLSRV.B32;1  010B 000D8 ; TPASTYPE	Page 22 (4) : : : : :
010B 000D8 :TPASTYPE U.131: .WORD 267 8DF8 000DA :TPASTYPE U.132: .WORD -29192	;
8DF8 000DA : TPASTYPE U.132: .WORD -29192	
0000+ 0000C .TPASSUPEYP -29192	
00000000V 000DE :TPASACTION < <u.91-u.133>-2&gt;</u.91-u.133>	:
102B 000E2 :TPASTYPE <set_access_bit-u.134>-4&gt;</set_access_bit-u.134>	:
U.136: .WORD 4139	
U.137: .WORD < <get_acctype-u.137>-2&gt;</get_acctype-u.137>	;
U.138: .WORD 4137	:
U.139: .WORD < <u.73-u.139>-2&gt;</u.73-u.139>	:
Ú.140: .WORD 5164	:
0000* 000EC :TPASTARGET	:
000EE :GET_FLAGS U.59: BLKB 0	
003D 000EE :TPASTYPE U.142: .WORD 61	:
043A 000F0 :TPA\$TYPE U.143: .WORD 1082	:
000F2 GET_FLAGTYPE: .BLKB 0	
610C 000F2 :TPASTYPE U.147: .WORD 24844	:
00000000* 000F4 :TPA\$ADDR U.148: .LONG << <ace_buffer+2>-U.148&gt;-4&gt;</ace_buffer+2>	
00000100 000F8 :TPA\$MASK U.149: .LONG 256	
610D 000FC : TPASTYPE U.153: .WORD 24845	
00000000* 000FE :TPA\$ADDR U.154: .LONG << <ace_buffer+2>-U.154&gt;-4&gt;</ace_buffer+2>	
00000400 00102 :TPASMASK U.155: .LONG 1024	
610E 00106 :TPASTYPE U.159: .WORD 24846	
00000000* 00108 :TPA\$ADDR	
00000200 0010C :TPASMASK	
610F 00110 :TPASTYPE	
00000000* 00112 :TPA\$ADDR	•
00000800 00116 :TPASMASK	
0510 0011A ; TPASTYPE 2048	•
102B 0011C :TPASTYPE 1296	:
U.173: .WORD 4139	:

SYSACLSRV VO4-000	\$PARSE_ACL system service		12	F 14 6-Sep-1984 01:51 4-Sep-1984 12:40	:51 VAX-11 Bliss-32 V4.0- :53 ELOADSS.SRCJSYSACLSRV	742 .B32:1 Page 23
		0000*	0011E	:TPASTARGET U.174: .WORD	< <get_flagtype-u.174>-2&gt;</get_flagtype-u.174>	
		1029	00120	; TPASTYPE		
		0000*	00122	U.175: .WORD	4137	
		1420	00124	U.176: .WORD	< <u.73-u.176>-2&gt;</u.73-u.176>	•
		0000*	00126	U.177: .WORD	5164	
				U.178: .WORD ;GET_PROT_	< <get_keyword-u.178>-2&gt;</get_keyword-u.178>	
		0420		U.67 BLKB	0	
		0420		U.179: .WORD	1068	
			0012A	GET_PROT_CLASS:	0	
		1111		TPASTYPE U.183: .WORD	4369	:
		0000*	00120	TPASTARGET U.185: .WORD	< <u.184-u.185>-2&gt;</u.184-u.185>	
		1112	0012E	TPASTYPE U.189: .WORD	4370	
		0000*	00130	:TPASTARGET U.191: .WORD	< <u.190-u.191>-2&gt;</u.190-u.191>	
		1113	00132	; TPASTYPE		
		0000*	00134	U.195: .WORD	4371	
		1114	00136	U.197: .WORD ;TPASTYPE	< <u.196-u.197>-2&gt;</u.196-u.197>	
		0000*	00138	U.201: .WORD	4372	
				U.203: .WORD	< <u.202-u.203>-2&gt;</u.202-u.203>	
				11 204 · WORD	5622	
		0000-	00130	:TPASTARGET U.205: .WORD :GET_SYS_PRO U.184: .BLKB :TPASTYPE	< <get_keyword-u.205>-2&gt;</get_keyword-u.205>	
			00136	U.184: .BLKB	0	
				U.201: .WUKD	58	
		003D		:TPASTYPE U.208: .WORD	61	
		15F6	00142	TPASTYPE U.209: .WORD	5622	
		0000*	00144	:TPASTARGET U.211: .WORD GET_SYS_PRO1:	< <u.210-u.211>-2&gt;</u.210-u.211>	
			00146	GET_SYS_PROT:		
		7052	00146	: TPASTYPE	0	
		00000000*	00148	U.212: .WORD	28754	
		0000001		U.213: LONG :TPASMASK	< <system_prot-u.213>-4&gt;</system_prot-u.213>	
				U.214: .LONG	1	
		00004	00130	:TPASTARGET U.215: .WORD ;TPASTYPE	< <get_sys_pr01-u.215>-2&gt;</get_sys_pr01-u.215>	

Ú.238:

U.240:

TPASTARGET U.241: WORD TPASTYPE

U.242: .WORD

00194 ; TPASMASK

00000000 00190 ; TPA\$ADDR

0019A

0000\* 00198

00000001

. WORD

.LONG

28754

28759

<<OWNER\_PROT-U.239>-4>

<<GET\_OWN\_PRO1-U.241>-2>

VO

U.265:

U.266:

001E2 : TPA\$TYPE

001DC ; TPASMASK

0000+ 001E0 ; TPASTARGET

00000000 001E4 ; TPASADDR

00000001

.LONG

. WORD

28759

<<GROUP\_PROT-U.265>-4>

<<GET\_GRP\_PR01-U.267>-2>

VO

.291:

: TPASMASK

294:

TPASADDR U.295: LONG

; TPASTARGET

00224

0022A

0000 \* 00228

00000001

7057

00000000 00220

.LONG

. WORD

28759

<<WORLD\_PROT-U.291>-4>

<<GET\_WOR\_PR01-U.293>-2>

<<WORLD\_PROT-U.295>-4>

SY

U.316: .WORD

U.318: .WORD

TPASTYPE WORD

U.321: .WORD

: TPASTARGET

00268 ; TPASTARGET 0026A : TPASTYPE

0026C ; TPASTARGET

00272 : TPASTYPE

0026E

4140

4137

-2

-2

-2

SY

VO

YSACLSRV 04-000	SPARSE_ACL system service	K 14 16-Sep-1984 01:51:51 VAX-11 Bliss-32 V4.0 14-Sep-1984 12:40:53 [LOADSS.SRC]SYSACLSR	742 RV.B32;1 Page
		0000* 00274 ;TPA\$SUBEXP	:
		00274 U.324: WORD < <u.323-u.324>-2&gt;</u.323-u.324>	;
		19F8 00276 ; TPASTYPE 0	
		0000* 00278 ; TPASSUBEXP	:
		U.327: .WORD < <u.326-u.327>-2&gt;</u.326-u.327>	•
		U.328: .WORD < <u.323-u.328>-2&gt;</u.323-u.328>	
		FFFF 0027E ; TPASTARGET	:
		U.330: .WORD -1 00280 ; CHK_DELIM	:
		102B 00280 ; TPA\$TYPE 0	
		FFFE 00282 ; TPASTARGET 4139	;
		102C 00284 ; TPA\$TYPE -2	:
		FFFE 00286 :TPA\$TARGET	:
		1029 00288 ; TPA\$TYPE -2	
		FFFE 0028A ; TPASTARGET	•
		11F7 0028C ; TPASTYPE -2	
		FFFE 0028E ; TPASTARGET	•
		15ED 00290 :TPA\$TYPE U.339: .WORD 5613	:
		FFFF 00292 : TPASTARGET	•
		FFFF 00292 : TPASTARGET  0.340: .WORD -1  00294 : CHK_FOR_END  0.73: BLKB 0	
		DEC UUC74 : IPABITE	
		U.341: .WORD 5623  FFFF 00296 : TPASTARGET  U.342: .WORD -1	
			;
		.PSECT _LIB\$KEYO\$, NOWRT, SHR, P	10,1
		00000 ACE_KEY:: BLKB C	
		00000 :TPA\$KEY0 U.1: .BLKB 0	
		0000* 00000 :TPA\$KEY U.4: .WORD <u.3-u.1></u.3-u.1>	:
		0000+ 00002 :TPA\$KEY U.12: .WORD <u.11-u.1></u.11-u.1>	:
		0000* 00004 ;TPA\$KEY U.20: .WORD <u.19-u.1> 0000* 00006 ;TPA\$KEY</u.19-u.1>	;

SYSACLSRV V04-000	\$PARSE_ACL sys	tem s	servi	ce			L 14 16-Sep-1984 01:51:51 VAX-11 Bliss-32 V4.0-742 14-Sep-1984 12:40:53 [LOADSS.SRC]SYSACLSRV.B32;1	Page 29 (4)
							U.27: .WORD <u.26-u.1></u.26-u.1>	;
							00008 : TPA\$KEY U.34: .WORD <u.33-u.1></u.33-u.1>	;
							0000A : TPA\$KEY U.42: .WORD <u.41-u.1></u.41-u.1>	;
							0000C : TPA\$KEY U.50: .WORD <u.49-u.1></u.49-u.1>	
							0000E : TPA\$KEY U.56: .WORD <u.55-u.1></u.55-u.1>	
							00010 : TPA\$KEY U.62: .WORD <u.61-u.1></u.61-u.1>	
							00012 :TPA\$KEY U.117: .WORD <u.116-u.1></u.116-u.1>	
							00014 : TPASKEY U.123: .WORD <u.122-u.1></u.122-u.1>	
							00016 : TPASKEY U.129: .WORD <u.128-u.1></u.128-u.1>	;
							00018 : TPASKEY U.145: .WORD <u.144-u.1></u.144-u.1>	;
							0001A : TPA\$KEY U.151: .WORD <u.150-u.1></u.150-u.1>	
							0001C : TPA\$KEY U.157: .WORD <u.156-u.1></u.156-u.1>	;
							0001E : TPA\$KEY U.163: .WORD <u.162-u.1></u.162-u.1>	
							00020 : TPA\$KEY U.169: .WORD <u.168-u.1></u.168-u.1>	:
							00022 : TPA\$KEY U.181: .WORD <u.180-u.1></u.180-u.1>	:
							00024 : TPA\$KEY U.187: .WORD <u.186-u.1></u.186-u.1>	:
							00026 : TPA\$KEY U.193: .WORD <u.192-u.1></u.192-u.1>	;
						0000*	00028 : TPA\$KEY U.198-U.1>	:
							.PSECT \$PLIT\$, NOWRT, NOEXE, 2	
					44	41 45 52	00000 P.AAC: .ASCII \READ\	:
						000000004 000000000 49 52 57	00004 P.AAB: .LONG 4 00008 .ADDRESS P.AAC 0000C P.AAE: .ASCII \WRITE\	
				45	54		AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	•
						000000000 45 58 45	00014 P.AAD: LONG 5 00018 .ADDRESS P.AAE	
		45	54	55	43		0001C P.AAG: .ASCII \EXECUTE\ 00023 .BLKB 1	
						00000007 40 45 44	00014 P.AAD: LONG 5 00018 .ADDRESS P.AAE 0001C P.AAG: .ASCII \EXECUTE\ 00023 .BLKB 1 00024 P.AAF: LONG 7 00028 .ADDRESS P.AAG 0002C P.AAI: .ASCII \DELETE\	
			45	54	45		0002C P.AAI: .ASCII \DELETE\ 00032	•
						00000000	00038 .ADDRESS P.AAI	
		40	4F	52	54	4E 4F 45	0003C P.AAK: .ASCII \CONTROL\ 00043	•
						00000007	00043 .BLKB 1 00044 P.AAJ: .LONG 7 00048 .ADDRESS P.AAK	

SYSACLSRV V04-000	\$PARSE_ACL system service		M 14 16-Sep-1984 01:51:51 VAX-11 Bliss-32 V4.0-742 14-Sep-1984 12:40:53 [LOADSS.SRCJSYSACLSRV.B32;1	Page 30
	35	5F	54 49 42 0004C P.AAM: .ASCII \BIT_5\	;
			00000005 00054 P.AAL: .LONG 5 00000000 00058 .ADDRESS P.AAM	
	36	5F	54 49 42 0005C P.AAO: .ASCII \BIT_6\ 00061 .BLKB 3	:
			00000005 00064 P.AAN: .LONG 5 00000000 00068 .ADDRESS P.AAO	
	37	5F	54 49 42 0006C P.AAQ: .ASCII \BIT_/\ 00071 -BLKB 3	•
	38	5F	00000005 00074 P.AAP: .LONG 5 00000000 00078 .ADDRESS P.AAQ 54 49 42 0007C P.AAS: .ASCII \BIT_8\	
		-	0000005 00084 P.AAR: LONG 5	;
	39	5F	00000005 00084 P.AAR: .LONG 5 00000000 00088 .ADDRESS P.AAS 54 49 42 0008C P.AAU: .ASCII \BIT_9\	
			0000005 00094 P.AAT: .LONG 5	
	30 31	5F	00000000' 00098 .ADDRESS P.AAU 54 49 42 0009C P.AAW: .ASCII \BIT_10\	:
			0000006 000A4 P.AAV: LONG 6 00000000 000A8 .ADDRESS P.AAW	•
	31 31	5F	54 49 42 000AC P.AAY: .ASCII \BIT_11\ 000B2 .BLKB 2	
	72 71	55	00000000 000B8 .ADDRESS P.AAY	
	32 31	5F	000C2 .BLKB 2	
	33 31	5F	54 49 42 000CC P.ABC: .ASCII \BIT_13\	
			0000006 000D2 .BLKB 2 00000006 000D4 P.ABB: .LONG 6	
	34 31	5F	54 49 42 000DC P.ABE: .ASCII \BIT_14\	
			00000006 000E4 P.ABD: .LONG 6 00000000 000E8 .ADDRESS P.ABE	
	35 31	5F	54 49 42 000EC P.ABG: .ASCII \BIT_15\ 000F2 .BLKB 2	
		-	00000006 000F4 P.ABF: .LONG 6 00000000 000F8 .ADDRESS P.ABG	:
	36 31	5F	54 49 42 000FC P.ABI: .ASCII \BIT_16\ 00102 .BLKB 2	•
	37 31	5F	00000006 00104 P.ABH: .LONG 6 00000000 00108 .ADDRESS P.ABI 54 49 42 0010C P.ABK: .ASCII \BIT_17\	
	<i>3. 3.</i>		00112 .BLKB 2	
	38 31	5F	00000000 00118 .ADDRESS P.ABK 54 49 42 0011C P.ABM: .ASCII \BIT_18\	
			00000006 00124 P.ABL: .LONG 6	:
	39 31	5F	00000000 00128 .ADDRESS P.ABM 54 49 42 0012C P.ABO: .ASCII \BIT_19\	

SYSACLSRV V04-000 \$PARSE_ACL s	ystem service	N 14 16-Sep-1984 01:51:51 VAX-11 Bliss-32 V4.0-742 Page 31 14-Sep-1984 12:40:53 [LOADSS.SRC]SYSACLSRV.B32;1 (4)
	30 32 5F	00000006 00134 P.ABN: .BLKB 2 00000000 00138 .ADDRESS P.ABO 54 49 42 0013C P.ABQ: .ASCII \BIT_20\ .BLKB 2
	31 32 5F	00000006 00144 P.ABP: .LONG 6 00000000 00148 .ADDRESS P.ABQ 54 49 42 0014C P.ABS: .ASCII \BIT_21\
	32 32 5F	00000006 00154 P.ABR: LONG 6 00000000 00158 .ADDRESS P.ABS 54 49 42 0015C P.ABU: ASCII \BIT_22\
	33 32 5F	00162 .BLKB 2 00000006 00164 P.ABT: .LONG 6 00000000 00168 .ADDRESS P.ABU 54 49 42 0016C P.ABW: .ASCII \BIT_23\
		00000006 00174 P.ABV: LONG 6 00000000 00178 .ADDRESS P.ABW
		00000006 00184 P.ABX: LONG 6 00000000 00188 ADDRESS P.ABY
		00192 .BLKB 2 00000006 00194 P.ABZ: .LONG 6 00000000 00198 .ADDRESS P.ACA
		001A2 .BLKB 2
	37 32 5F	00000006 00184 P.ACD: LONG 6
	38 32 5F	00102 .BLKB 2 00000006 00104 P.ACF: .LONG 6
	39 32 5F	00102 .BLKB 2 00000006 00104 P.ACH: .LONG 6 ;
	30 33 5F	54 49 42 001DC P.ACK: .ASCII \BIT_30\ 001E2 .BLKB 2 00000006 001E4 P.ACJ: .LONG 6
	31 33 5F	00000000 001E8 .ADDRESS P.ACK 54 49 42 001EC P.ACM: .ASCII \BIT_31\
00000000, 00000000, 00000000 00000000, 00000000	. 00000000, 00000000	00000000' 001F8 ADDRESS P.ACM

SYO

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B 15
                                                                                       16-Sep-1984 01:51:51
14-Sep-1984 12:40:53
                                                                                                                       VAX-11 Bliss-32 V4.0-742 [LOADSS.SRC]SYSACLSRV.B32;1
SYSACLSRV
                                                                                                                                                                         Page 32 (4)
V04-000
                     $PARSE_ACL system service
                                     0027C P.ACP:
00284 P.ACO:
00288 P.ACR:
00294 P.ACQ:
00298 P.ACT:
00294 P.ACS:
00296 P.ACT:
00284 P.ACV:
00288 P.ACV:
00288 P.ACV:
00288 P.ACV:
00288 P.ACV:
00288 P.ACX:
00288 P.ACX:
00288 P.ACX:
00288 P.ACX:
00288 P.ACX:
00264 P.ACX:
00276 P.ACX:
00276 P.ADB:
00276 P.ADD:
002776 P.ACN:
                                                                                                    .ASCII \ACL$LOCK\
.LONG 8
                                                                                                     .ADDRESS P.ACP
                                                                                                     .ASCII \ACL$FIL_\
                                                                                                     .LONG
                                                                                                     .ADDRESS P.ACR
                                                                                                     .ASCII \ACL$DEV_\
.LONG 8
                                                                                                     .ADDRESS P.ACT
                                                                                                     .ASCII \ACL$JBC_\
.LONG 8
                                                                                                     .ADDRESS P.ACV
                                                                                                     .ASCII \ACL$CEF_\
                                                                                                     .LONG
                                                                                                               8
                                                                                                     .ADDRESS P.ACX
                                                                                                     .ASCII \ACLSLNT_\
                                                                                                     .LONG
                                                                                                     .ADDRESS P.ACZ
                                                                                                     .ASCII \ACL$PRC_\
                                                                                                     .LONG
                                      5F 4C 42 47 24 4C 43 41 00000008
                                                                                                     .ADDRESS P.ADB
                                                                                                     .ASCII \ACL$GBL_\
                                                                                                     .LONG
                                                                                                    .ADDRESS P.ADD
.ADDRESS P.ACO, P.ACQ, P.ACS, P.ACU, P.ACW, -
P.ACY, P.ADA, P.ADC
.ASCII \SECURITY\
                                                                    00000000
                                                       00000000' 00000000' 002FC P.ACN:
52 55 43 45 53
                                                                                  0031C P.ADE:
                                                                                                     .PSECT SOWNS, NOEXE, 2
                                                                                 00000 JOURNAL_ACES:
                                                                                                     .BYTE
                                                                                                                03
                                                                                                      BLKB
                                                                                  00004 ACE_BUFFER:
                                                                                                      BLKB
                                                                                  00204 ACE_INDEX:
                                                                                                     BLKB
                                                                                  00208 ACE_TYPE:
                                                                                  0020C ACE_RIGHTS:
                                                                                                      BLKB
                                                                                  00210 UIC_FLAGS:
                                                                                  00214 UIC_COUNT:
                                                                                  00218 IDENTIFIER:
                                                                                 0021C ID_NAME : BLKB
00224 ID_COUNT :
                                                                                 00228 JOURNAL_NAME:
                                                                                  00230 ACCESS_FLAGS:
                                                                                  00234 SYSTEM_PROT:
                                                                                 00238 OWNER_PROT:
```

SYSACLSRV							
v04-000 \$F	PARSE_ACL syst	tem serv	ice	1	C 15 6-Sep-1984 01:51 4-Sep-1984 12:40	:51 VAX-11 Bliss-32 V4.0-742 :53 [LOADSS.SRC]SYSACLSRV.B32;1	Page 33 (4)
				00230	GROUP_PROT:	4	
				00250	WORLD_PROT:	4	
				00246	BIT NAME TABLE:	4	
				00244	BIT_NAME_TABLE: CHANGE_ACMODE:	4	
					CALL_ACMODE:	4	
					PARENT_ID:	4	
					ACL_QUEUE_HEAD:	4	
				00254	ACL_POINTER:	4	
				00256	ACL_SPLIT:	4	
					·DLNO	4	
					ACE_POINTER:	4	
					ACE_NUMBER: .BLKB ACL_AREA:	4	
					ACL_CONTEXT:	512	
					LOCK_RESNAM:	4	
				00400	RESNAM_TEXT:	8	
				00474	.BLKB	31	
					DEFAULT BITS= LOCK_PREFIX=	P.AAA P.ACN	
					EXTRN		
					EXTRN	ACL_FINDTYPE, ACL_DELETEACL	
					EXTRN	ACL_ADDENTRY, ACL_DELENTRY ACL_MODENTRY, ACL_FINDENTRY ACL_FINDTYPE, ACL_DELETEACL ACL_READACL, ACL_ACLLENGTH ACL_READACE, ACL_LOCATEACE ACL_INIT_QUEUE, ALLOC_PAGED DALLOC_PAGED, LIB\$TPARSE LIB\$FID_TO_NAME LIB\$FID_TO_NAME LIB\$GET_VM, LIB\$FREE_VM EXE\$PROBER, EXE\$PROBEW IOC\$VERIFYCHAN, SCH\$LOCKR SCH\$LOCKW, SCH\$UNLOCK CTL\$GL_PCB, LIB\$ SYNTAXERR	
					EXTRN	DALLOC PAGED, LIBSTPARSE	
					EXTRN	LIBSGET VM, LIBSFREE VM	
					EXTRN	IOCSVERIFYCHAN, SCHSLOCKR	
					-EXTRN	CTL\$GL_PCB, LIB\$_SYNTAXERR	
					.PSECT	\$CODE\$,NOWRT,2	
			56 00000000	007C 00000	ENTRY	SYS\$PARSE ACL, Save R2,R3,R4,R5,R6	: 0616
			56 00000000°	007C 00000 EF 9E 00002 24 C2 00009 A6 D4 0000C AC D0 0000F OC 13 00013 00 OC 00015	MOVAB SUBL2 CLRL MOVL BEQL	SYS\$PARSE_ACL, Save R2,R3,R4,R5,R6 JOURNAL_NAME, R6 #36, SP BIT_NAME_TABLE BIT_TABLE, R0	0674
			50 10	AC DO OOOOF	MOVL	BIT TABLE, RO	0676 0677
				00 13 00013	DEOL	18	

\$YO .....

SYSACLSRV V04-000		\$PARSE_	ACL S	system ser	vice				1	15 5-Sei 4-Sei	p-1984 01:51 p-1984 12:40	:51 :53	VAX-11 Bliss-32 V4.0-742 [LOADSS.SRC]SYSACLSRV.B32;1	Page 34 (4)
0200	8F		00	10	A6 6E	FDDC	5B 50 00	13 00 20	00018 0001D 00021	15:	BEQL MOVL MOVC5	2\$ RO. #0,	BIT_NAME_TABLE (SP), #0, #512, ACE_BUFFER	0679 0684
						FDDC EO DC E8 FC F4	A6 A6 A6	7C	0002B 0002E 00031		CLRQ CLRL CLRQ	ACE.	TYPE INDEX FLAGS COUNT NAME RNAL NAME UP PROT ER PROT ESS FLAGS (SP) #0 #36 TPARSE BLOCK	0685
						FC F4	A6	D4 B4	00034		CLRL CLRQ CLRW CLRW CLRQ	ID N	COUNT NAME	: 0686 : 0687 : 0689
						14 10 08	A6	7C	0003A 0003C		CLRW CLRQ	GROU	RNAL_NAME UP_PROT ER_PROT	0690
	24		00		6E	08	A6 00 6F	70	00042 00045		CLRL CLRQ MOVC5	ACCE	(SP), #0, #36, TPARSE_BLOCK	0688 0692
			64	04	6E AE 54 08	04	55006666666666666666666666666666666666	00 00 00 13	00000000000000000000000000000000000000		MOVL BISB2 MOVL PROBER	#8. #2. ACL.	TPARSE_BLOCK TPARSE_BLOCK+4 STRING, R4 #8, (R4)	0693 0694 0695
				08	50 AE 55 50		50	30	0005C 0005F		BEQL MOVZWL MOVL	(R4)	TPARSE_BLOCK+8 ACL_STRING_LEN (), RO	0698
					50 51	04	64 50 50 84 55 50 017E	00	00066 0006A		MOVL MOVL	ACL.	STRING_LEN, R1	0699
					03	00000000	90	16 E8	0006F 00075	20	JSB BLBS	EXES RO, 17\$	PROBER	
				00	AE	000000000000000000000000000000000000000	A4 EF AE O3	DO 9F 9F	00078 00078 00080 00086	3\$:	MOVL MOVL MOVL CLRL JSB BLBS BRW MOVL PUSHAB PUSHAB PUSHAB	4(R4 ACE ACE	A), TPARSE_BLOCK+12 _KEY _STATE RSE_BLOCK LIB\$TPARSE DR_POSITION, R1	0700 0705
				0000000G	00 51	00	0.5	FB DO	0008F 00096		CALLS MOVL BEQL PROBEW	#3. ERRC	LIBSTPARSE DR_POSITION, R1	0709
			61		02		00	0D	0009C		PROBEW	#O.	#2, (R1)	0710
			61	000000006	55 8F	08	ACBOO DAE O 4 4 4 5 5 AE 7 5 0	A3	000A2 000A7	45:	BEQL SUBW3 CMPL BEQL TSTL BEQL BLBC TSTL BGTR BLBS RET	STAT	RSE_BLOCK+8. ACL_STRING_LEN, (R1) TUS, #LIB\$_SYNTAXERR	0712 0718
						EO	44 46 3F	D5	000B0		TSTL	8\$ ACE_ 8\$	TYPE	0719
					05	08	50 AE	E9	000B5 000B8		BLBC	STAT	TUS, 5\$ RSE_BLOCK+8	0720
					01		50	E8	000BB	5\$:	BGTR BLBS	STAT	rus, 6\$	0723
				FDDD	C6	FDDE	A6 C6	90 30	000C1 000C7	6\$:	MOVB MOVZWL	ACE-	TYPE, ACE_BUFFER+1 BUFFER+2, RO	0727 0729
		FDDE	C6	FDEO	50	FDDE E8 08 E4 E0	A6 A6	A9	000CC 000D0 000D7		MOVB MOVZWL BISL2 BISW3 MOVL CASEL .WORD	ACCE	FLAGS, RO SS_FLAGS, RO, ACE_BUFFER+2 RIGHTS, ACE_BUFFER+4	0730 0731 0736
8	039 09f		08 0039 009F	{	C6 50 50 50 C6 01 0039	EO	A6 A6 A6 A6 0015 0061 0080	CF	000DD 000E2 000EA 000F2	7\$:	.WORD	9\$-7 10\$- 10\$-	TYPE, ACE_BUFFER+1 BUFFER+2, RO FLAGS, RO SS_FLAGS, RO, ACE_BUFFER+2 RIGHTS, ACE_BUFFER+4 TYPE, #1, #8	0736

SYSACLSRV V04-000	\$PARSE_	ACL sys	tem serv	ice			E 15 16-Sep- 14-Sep-	1984 01:51:51 1984 12:40:53	VAX-11 Bliss-32 V4.0-742 [LOADSS.SRC]SYSACLSRV.B32;1	Page 35
				01	08 EC	008A A6 F8 66 F4 A6	31 000F4 8\$: D5 000F7 9\$: 12 000FA B5 000FC 12 000FE D1 00100 14 00104	BRW 149 TSTL ACC BNEQ 8\$ TSTW JOU BNEQ 8\$ CMPL UIC	\$-7\$,- \$-7\$,- \$-7\$,- \$-7\$,- \$-7\$,- \$-7\$ CESS_FLAGS URNAL_NAME C_COUNT, #3	0799 0740 0741 0742
	FDDC	51 C6		50 50 51 61	DC DC FDD8 EC	F646B66628166C67626D	05 00106 13 00109 D0 0010B 78 0010F 81 00113 11 00119 E9 0011B 10\$:	BEQL 149 MOVL ACE ASHL #2 ADDB3 #8 BRB 129 BLBC JOU	E_INDEX S E_INDEX, RO . RO, R1 . R1, ACE_BUFFER S URNAL_ACES, 14\$	0743 0745 0736 0751 0752
					EC FC 08 E4	A6 57 A6 57	D5 00120 12 00123 D5 00125 12 00128 D5 0012A	BNEQ 145	URNAL ACES, 14\$ C_COUNT \$ COUNT CESS_FLAGS S FLAGS	0752 0753 0754
	FDEO FDDC	C6 C6	04	B6 66	EC	66 04 29	D5 0012F 12 00132 28 00134 81 0013B 11 00141 D5 00143 11\$:	MOVC3 JOU ADDB3 #4, BRB 125	E_RIGHTS \$ URNAL_NAME, @JOURNAL_NAME+4, ACE_BUFFER+4 , JOURNAL_NAME, ACE_BUFFER \$ C_COUNT \$	0759 0760 0736 0766
66		00 00	000000	08 EF	FC 04	A6 34 66 2F 08 B6	12 00146 D5 00148 12 0014B B1 0014D 12 00150 2D 00152 0015B	TSTL ID BNEQ 145 CMPW JOU BNEQ 145 CMPC5 #8	COUNT  URNAL_NAME, #8  P.ADE, #0, JOURNAL_NAME, -	0767 0768 0769
	FDE4 FDDC	C6 C6	04	B6 66	08	A36268626866A65668F	12 0015D 28 0015F 81 00166 11 0016C 12\$:	MOVC3 JOU ADDB3 #8 BRB 169 TSTL ACC	OURNAL_NAME+4 \$ URNAL_NAME, @JOURNAL_NAME+4, ACE_BUFFER+8 \$ CESS_FLAGS	0774 0775 0736 0779
					EC FC	66 0A A6 05 A6	D5 0016E 13\$: 12 00171 B5 00173 12 00175 D5 00177 12 0017A D5 0017C	TSTW JOU BNEQ 145 TSTL UIC BNEQ 145	URNAL_NAME C_COUNT	0780 0781 0782
0C A6		18	0C 10	50 A6 05 A6 05	21E4 0C 10	86 00 A6 00	15 0017F 3C 00181 14\$: 04 00186 D2 00187 15\$: F0 0018C D2 00192 F0 00197	RET	COUNT  676, RO  STEM_PROT, SYSTEM_PROT , #5, #27, SYSTEM_PROT NER_PROT, OWNER_PROT , #5, #27, OWNER_PROT	0783 0784 0785 0787 0788

SY VO 52

SYSACLSRV VO4-000		\$PARSE_	ACL sy	stem serv	vice				16- 14-	15 Sep-1 Sep-1	984 01:51 984 12:40	:51 :53	VAX-11 Bliss-32 V4.0-742 [LOADSS.SRC]SYSACLSRV.B32;1	Page 3
				FDE4	C6	0¢	A6 A6 00	70	0019D 001A3		MOVQ	SYSTE	M_PROT, ACE_BUFFER+8 PROT, GROUP_PROT	: 078 : 079
14	A6		1B	18	05 A6	18	00	FO	00148		INSV	WO, W	75, #27, GROUP PROT	: 079
18	A6		18	FDEC	05	14	A6 00 A6 18	F0 70 90	001B3 001B9 001BF		INSV MCOML INSV MOVQ MOVB	MO. M GROUP M24.	PROT, WORLD PROT PROT, WORLD PROT PROT, WORLD PROT PROT, ACE_BUFFER+16 ACE_BUFFER NTRY, R4 8, (R4)	078 079 079 079 079
			64		08	08	AC 00 2B	00	00164 1	6\$:	PROBER	ACL_E	NTRY, R4	: 080
	51	FDDC	C6		51 08 50	04	00 1F	13 30 ED 1A DO	001CE 001D1 001D8 001DA		BEQL MOVZWL CMPZV BGTRU	17\$ (R4), #0, # 17\$ 4(R4)	8, ACE_BUFFER, ACL_ENTRY_LEN	080
	64		00	FDDC		00000000G FDDC 04	4300060 5000 5000 5000 5000 5000 5000 500	16 16 9A 20	001DE 001E0 001E6		MOVZWL CMPZV BGTRU MOVL CLRL JSB BLBC MOVZBL MOVC5	R3 EXESP	ROBEW 7\$ SUFFER, RO ICE_BUFFER, #0, (R4), @4(R4)	081
					50		04	11 00 04	001F7 001F9 1 001FC	7\$:	BRB MOVL RET	18\$	RO	081 081
					50		01	00	001FD 1	8\$:	MOVL	#1, R	10	: 081 : 081

; Routine Size: 513 bytes, Routine Base: \$CODE\$ + 0000

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SY
```

Page

```
G 15
16-Sep-1984 01:51:51
14-Sep-1984 12:40:53
SYSACLSRV
VO4-000
                                                                                                                                          VAX-11 Bliss-32 V4.0-742 [LOADSS.SRC]SYSACLSRV.B32;1
                         SFORMAT_ACL system service
                                     %SBTTL '$FORMAT_ACL system service'
GLOBAL ROUTINE SYS$FORMAT_ACL (ACL_ENTRY, ACL_LENGTH, ACL_STRING,
LINE_WIDTH, TERM_DESC, LINE_INDENT,
BIT_TABLE) =
                         FUNCTIONAL DESCRIPTION:
                                                  This routine converts the Access Control Entry from a binary form
                                                  to a text form.
                                         CALLING SEQUENCE:
                                                  SYSSFORMAT_ACL (ARG1, ARG2, ARG3, ARG4, ARG5, ARG6, ARG7)
                                         INPUT PARAMETERS:
                                                  ARG1: address of the input buffer descriptor
                                                  ARG4: address of the maximum line width for formatting ARG5: address of the output line segment terminator descriptor ARG6: address of the number of columns to indent each line segment ARG7: address of an access bit name table
                                         IMPLICIT INPUTS:
                                                  none
                                        OUTPUT PARAMETERS:
                                                  ARG2: address of a word to get the length of the formatted ACE ARG3: address of the output text buffer descriptor
                                         IMPLICIT OUTPUTS:
                                                  none
                                        ROUTINE VALUE:
                                                  SS$_NORMAL:
SS$_NOSUCHID:
                                                                           The conversion was successful.
The identifier specified in the ACE is not in the
                                                                           rights database.
                                                                           The conversion was successful. The formatted ACE has overflowed the output buffer and has been
                                                  SS$_BUFFEROVF:
                                                                           truncated.
                                        SIDE EFFECTS:
                        0860
0861
0862
0863
0864
0865
0866
0867
0868
0869
                                                  none
                                     BEGIN
                                     MACRO
                                                  CHECK_WIDTH (TEST_WIDTH) =
                                                              IF .WIDTH GTRU O AND .LINE_SIZE + TEST_WIDTH GTRU .WIDTH
                                                               THEN
                                                                    BEGIN
IF .TERM_LENGTH GTR O
THEN_
                         0871
                         0872
0873
0874
                                                                           CH$MOVE (.TERM_LENGTH, .TERM_POINTER, BUFFER[.SIZE]);
```

```
SYS
```

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H 15
SYSACLSRV
VO4-000
                                                                                                            16-Sep-1984 01:51:51
14-Sep-1984 12:40:53
                                                                                                                                                    VAX-11 Bliss-32 V4.0-742 [LOADSS.SRC]SYSACLSRV.B32;1
                                                                                                                                                                                                                 Page 38 (5)
                           $FORMAT_ACL system service
                          0876
0877
0878
0879
                                                                                 SIZE = .SIZE + .TERM_DESC[DSC$W_LENGTH];
END;
    CHSFILL (%C' ', INDENT, BUFFER[.SIZE]);
SIZE = .SIZE + .INDENT;
LINE_SIZE = .INDENT;
                          0880
                          0881
                                                                          END:
                                                                    LINE_SIZE = .LINE_SIZE + TEST_WIDTH;
                                                                   END
                           0884
                           0885
                          0886
0887
0888
                                                      STORE_TEXT (STRING) =
                                                                   CHECK WIDTH (%CHARCOUNT (STRING));
CH$MOVE (%CHARCOUNT (STRING), UPLIT (STRING), BUFFER[.SIZE]);
SIZE = .SIZE + %CHARCOUNT (STRING);
                          0889
                          0890
                          0891
                                                                    END
                          0892
0893
                          0894
0895
                                                     NEW_LINE =
                                                                    BEGIN
                                                                   IF .TERM_LENGTH GTR O
                          0896
                          0897
                          0898
                                                                          BEGIN
                                                                          CH$MOVE (.TERM_LENGTH, .TERM_POINTER, BUFFER[.SIZE]);
SIZE = .SIZE + .TERM_LENGTH;
                          0899
                          0900
                          0901
0902
0903
0904
0905
                                                                          END:
                                                                   CHSFILL (%C' ', .INDENT, BUFFER[.SIZE]);
SIZE = .SIZE + .INDENT;
                                                                   LINE_SIZE = . INDENT;
                                                                   END
                          0906
0907
0908
0909
0910
0911
0913
0914
0915
0918
0919
0921
0923
0923
0926
0927
0928
0929
                                                                   %:
     911
    912
913
                                        MAP
                                                     ACL_ENTRY
ACL_STRING
TERM_DESC
                                                                                : REF $BBLOCK.
                                                                                                                            Address of the input descriptor
    914
915
                                                                                                                             Address of the output descriptor
                                                                                 : REF $BBLOCK;
                                                                                                                         ! Segment terminator descriptor
    916
917
918
919
                                        LITERAL
                                                                                = MAXU (2 * KGB$S_NAME + 3,
                                                      MAX_FAO_LENGTH
                                                                                = MAXU (2 * KOBSS NAME

ATR$S_FILE_SPEC) ! FAO DUTTER

= 3072, ! Largest possible formatted ACE

= %CHARCOUNT ('DISK$') + ACE$S_VOLNAM + 1;

! Size of full volume name
                                                                                                                                          Max size of
    920
921
923
923
924
925
927
928
933
933
933
933
933
933
                                                      MAX_FMT_ACE
VOLNAM_SIZE
                                                                                : $BBLOCK [ATR$S_ADDACLENT], ! Local copy of ACE : $BBLOCK [DSC$C_S_BLN], ! FAO output descript : $BBLOCK [4], ! Key identification
                                        LOCAL
                                                      ACL_ENTRY_LEN,
                                                                                                                            T], ! Local copy of ACE
! FAO output descriptor
Key identifier
                                                      FAO_DESCR
KEY_IDENTIFIER
PROT_VALUE,
                                                                                                                             Protection value from ACE
                                                      PROT_FIELD_DSC
                                                                                                                            Addr of protection field name
Storage for ASCII protection string
                                                                                : REF $BBLOCK,
: VECTOR [32, BYTE],
                                                      PROT_BUF
PROT_IDX,
                                                                                                                             Index into protection string
                                                      BUFFER
                                                                                 : VECTOR [MAX_FMT_ACE, BYTE],
                                                                                                                            Temp storage for formatted ACE
                                                      LINE_SIZE,
                                                                                                                         ! Size of the current segment ! Size of formatted ACE
```

```
SY
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Page

```
I 15
                                                                                                              16-Sep-1984 01:51:51
14-Sep-1984 12:40:53
SYSACLSRV
VO4-000
                                                                                                                                                        VAX-11 Bliss-32 V4.0-742 [LOADSS.SRC]SYSACLSRV.B32;1
                           $FORMAT_ACL system service
                                                                                                                               Number of columns to indent Width of the line
    INDENT,
                                                      WIDTH,
TERM_LENGTH,
TERM_POINTER,
FAO_DESC
FAO_BUF
BIT_NAME_DESC
FLAGS
                                                                                                                                Size of terminator string
                                                                                                                                Address of terminator string
                                                                                     $BBLOCK [DSC$C_S_BLN],
VECTOR [MAX_FAO_CENGTH,
REF $BBLOCK,
BITVECTOR [16],
                                                                                                                                             FAO output descriptor
                                                                                                                               Descr for access bit name Flags from ACE
                                                                                                                              BYTE],
                                                      ACCESS MASK
AUDIT MASK
VOLNAM DESC
VOLNAM TEXT
FILENAME DESC
FILENAME TEXT
ACL STRING LEN,
LOCAL STATUS;
                                                                                                                               Access mask in ACE
Audit access mask in ACE
                                                                                     BYTE,
                                                                                      BYTE
                                                                                     $BBLOCK [DSC$C_S_BLN],
VECTOR [VOLNAM_SIZE, BYTE],
$BBLOCK [DSC$C_S_BLN],
VECTOR [ATR$S_FICE_SPEC],
                                                                                                                                              Volume name descriptor
                                                                                                                                              Volume name storage
                                                                                                                                             File name descriptor
                                                                                                                                             File name storage
                                                                                                                               Length of ACL string buffer
                                                                                                                               Local routine return status
                                         ! Protection code names.
                                         BIND
                                                                                  = UPLIT BYTE ('R', 'W', 'E', 'D', 'C', REP 27 OF (0)) : VÉCTOR [, BYTE];
                                                       PROT_CODE
                                         ! Probe the output string buffer.
                                         IF PROBER (%REF (0), %REF (DSC$C_S_BLN), .ACL_STRING)
                                         THEN
                                                ACL_STRING_LEN = .ACL_STRING[DSC$W_LENGTH];
IF EXESPROBEW (0, .ACL_STRING_LEN, .ACL_STRING[DSC$A_POINTER])
THEN CH$FILL (%C ', .ACL_STRING_LEN, .ACL_STRING[DSC$A_POINTER])
                                                ELSE RETURN SS$_ACCVIO;
                                         ELSE RETURN SS$_ACCVIO;
                                         ! Set up initial parameters.
                                         INDENT = WIDTH = 0;
TERM_LENGTH = TERM_POINTER = 0;
ACCESS_MASK = AUDIT_MASK = 0;
    978
979
980
981
982
983
984
985
988
989
990
991
993
                                         ! Check the optional arguments.
                                         IF .LINE_WIDTH NEQA 0
THEN IF PROBER (%REF (0), %REF (4), .LINE_WIDTH)
THEN WIDTH = ..LINE_WIDTH
ELSE RETURN SS$_ACCVIO;
                                         IF .TERM_DESC NEQA 0
                                         THEN
                                                IF PROBER (%REF (0), %REF (DSC$C_S_BLN), .TERM_DESC)
                                                THEN
                                                       TERM_LENGTH = .TERM_DESC[DSC$W_LENGTH];
TERM_POINTER = .TERM_DESC[DSC$A_POINTER];
IF NOT EXESPROBER (0, .TERM_LENGTH, .TERM_POINTER)
```

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J 15
16-Sep-1984 01:51:51
14-Sep-1984 12:40:53
SYSACLSRV
VO4-000
                                                                                                                                                                                      VAX-11 Bliss-32 V4.0-742 [LOADSS.SRC]SYSACLSRV.B32;1
                                                                                                                                                                                                                                                                Page 40 (5)
                                 $FORMAT_ACL system service
    994
995
996
997
998
1000
1001
1002
1003
1004
1005
1006
1007
1010
1011
1012
1013
                                 0990
0991
0992
0993
0994
0995
0996
0997
0998
1000
1001
1005
1006
1007
1008
                                                                   THEN RETURN SS$_ACCVIO:
                                                          ELSE RETURN SS$_ACCVIO;
                                                          END;
                                                IF .LINE_INDENT NEQA 0
THEN IF PROBER (%REF (0), %REF (4), .LINE_INDENT)
THEN INDENT = ..LINE_INDENT
ELSE RETURN SS$_ACCVIO;
                                                 IF . INDENT GTRU 0
                                                          BEGIN
                                                           IF .WIDTH GTR O
                                                          THEN (IF .INDENT GTRU .WIDTH THEN RETURN SS$ BADPARAM)
ELSE (IF .INDENT GTRU .ACL_STRING_LEN THEN RETURN SS$_BUFFEROVF);
IF .INDENT GTRU MAX_FMT_ACE THEN RETURN SS$_BUFFEROVF;
    1014
1015
1016
1017
1018
1019
1020
1023
1023
1024
1026
1027
1028
1031
1033
1033
1033
1033
1033
1039
                                 1010
                                                  ! Check to see if an access bit name table was supplied. If so, use it
                                 1011
                                                 ! rather than the default table.
                                 1012
1013
1014
1015
1016
1017
                                                BIT_NAME_TABLE = 0;

IF .BIT_TABLE NEQA 0

THEN IF PROBER (%REF (0), %REF (256), .BIT_TABLE)

THEN BIT_NAME_TABLE = .BIT_TABLE

ELSE RETURN SS$_ACCVIO;
                                 1018
                                                 ! Start building the text ACE.
                                1021
10223
10223
10224
10226
10226
10226
10226
10226
10226
10226
10226
10233
10333
10336
10337
10337
10343
10443
10443
10443
10443
                                                 CHSFILL (%C' ', .INDENT, BUFFER);
SIZE = LINE SIZE = .INDENT;
STORE TEXT ('(');
                                                 IF PROBER (TREF (O), TREF (DSCSC_S_BLN), .ACL_ENTRY)
                                                 THEN
                                                         BEGIN
                                                         ACL_ENTRY_LEN = .ACL_ENTRY[DSC$W_LENGTH];

IF .ACL_ENTRY_LEN GTRU ATR$S_ADDACLENT THEN RETURN SS$ IVACL;

IF EXE$PROBER (0, .ACL_ENTRY_LEN, .ACL_ENTRY[DSC$A_POINTER])

THEN CH$MOVE (.ACL_ENTRY_LEN, .ACL_ENTRY[DSC$A_POINTER], LOCAL_ACE)
                                                          ELSE RETURN SS$_ACTVIO:
                                                 ELSE RETURN SS$_ACCVIO;
                                                 ! Convert the ACE type code.
   1040
1041
1042
1043
1044
1045
1046
1047
1048
1049
                                                 CASE .LOCAL_ACE[ACESB_TYPE] FROM ACESC_KEYID TO ACESC_DIRDEF OF
                                                          [ACESC KEYID]:
                                                                  ACCESS_MASK = 1;
STORE_TEXT ('IDENTIFIER=');
INCR J FROM .LOCAL_ACE[ACE$V_RESERVED] + 1 TO (.LOCAL_ACE[ACE$B_SIZE] - ACE$C_LENGTH + 3) / 4
                                                                          KEY_IDENTIFIER = .VECTOR [LOCAL_ACE[ACE$L_KEY], .J - 1];
```

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SY
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```
K 15
16-Sep-1984 01:51:51
14-Sep-1984 12:40:53
SYSACLSRV
VO4-000
                                                                                                                                                                                                               VAX-11 Bliss-32 V4.0-742 [LOADSS.SRC]SYSACLSRV.B32;1
                                      $FORMAT_ACL system service
                                                                                    104890123456789011093745678901234567890123109334567890123
    1051
1053
1054
1055
1056
1057
1058
1059
                                                                                                                                                                                            ! Max size of an identifier
    1060
1061
1062
1063
1064
1065
1066
1067
1068
1069
                                                                            BUFFER[.SIZE - 1] = %C',';
                                                                 END;

[ACE$C_BIJNL,

ACE$C_AIJNL];
                                                                           BEGIN
                                                                          BEGIN

IF .LOCAL ACE[ACESB TYPE] EQL ACESC_BIJNL

THEN STORE TEXT ('BI JOURNAL=');

IF .LOCAL ACE[ACESB TYPE] EQL ACESC_AIJNL

THEN STORE TEXT ('AI JOURNAL=');

IF .LOCAL ACE[ACESB TYPE] EQL ACESC_ATJNL

THEN STORE TEXT ('AT JOURNAL=');

CHECK WIDTH (.LOCAL ACE[ACESB SIZE] - $BYTEOFFSET (ACESL_ACCESS));

CH$MOVE (.LOCAL ACE[ACESB_SIZE] - $BYTEOFFSET (ACESL_ACCESS),

LOCAL ACE[ACESL_ACCESS],

BUFFER[.SIZE]);

SIZE = .SIZE + .LOCAL ACE[ACESB SIZE] - $BYTEOFFSET (ACESL_ACCESS);
    1071
    1072
    1073
    1074
    1075
    1076
    1077
    1078
    1079
    1080
                                                                           SIZE = .SIZE * .LOCAL_ACE[ACE$B_SIZE] - $BYTEOFFSET (ACE$L_ACCESS);
STORE_TEXT (',');
    1081
                                                                 END:

[ACE$C_AUDIT,

ACE$C_ALARM]:

BEGIN
    1082
    1083
    1084
    1085
                                                                           ACCESS MASK = 1;
AUDIT MASK = 1;
    1086
    1087
                                                                          AUDIT MASK = 1;

IF .LOCAL ACECACESB TYPE] EQL ACESC_AUDIT

THEN STORE TEXT ('AUDIT JOURNAL=');

IF .LOCAL ACECACESB TYPE] EQL ACESC_ALARM

THEN STORE TEXT ('ACARM_JOURNAL=');

CHECK_WIDTH (.LOCAL_ACECACESB_SIZE) - ACESC_LENGTH);

CH$MOVE (.LOCAL_ACECACESB_SIZE) - ACESC_LENGTH,

LOCAL_ACECACESL_REY],

BUFFER[.SIZE]);

SIZE = .SIZE + .LOCAL_ACECACESB_SIZE] - ACESC_LENGTH;
    1088
    1089
    1090
    1091
     1092
     1093
    1094
                                                                           SIZE = .SIZE + .LOCAL_ACECACESB_SIZE] - ACESC_LENGTH;
    1096
                                      1094
1095
1096
1097
    1098
                                                                 [ACESC_DIRDEF]:
BEGIN
    1099
    1100
    1101
                                                                            STORE_TEXT ('DEFAULT_PROTECTION,');
                                                                           INCR R FROM O TO 3
                                      1098
    1102
                                      1099
    1103
    1104
                                                                                     BEGIN
                                      1101
                                                                                     CASE .K FROM 0 TO 3 OF
   1106
                                      1102
                                                                                              [0]:
                                                                                                                 BEGIN
```

```
16-Sep-1984 01:51:51
14-Sep-1984 12:40:53
SYSACLSRV
VO4-000
                                                                                                                                                     VAX-11 Bliss-32 V4.0-742 [LOADSS.SRC]SYSACLSRV.B32;1
                                                                                                                                                                                                                  Page
                           SFORMAT_ACL system service
                           1104
1105
1106
1107
1108
1109
                                                                                 PROT_VALUE = .LOCAL_ACE[ACE$L_SYS_PROT];
PROT_FIELD_DSC = $DESCRIPTOR ('SYSTEM:');
  1108
11109
11110
11113
11115
11116
11117
11123
11123
11123
11133
11134
11135
11136
11137
11138
11139
11139
                                                                               END:

BEGIN

PROT_VALUE = .LOCAL_ACE[ACE$L_OWN_PROT];

PROT_FIELD_DSC = $DESCRIPTOR ('OWNER:');
                                                                    [1]:
                           1110
                                                                                 BEGIN
PROT_VALUE = .LOCAL_ACE[ACE$L_GRP_PROT];
PROT_FIELD_DSC = $DESCRIPTOR ('GROUP:');
                                                                    [2]:
                           11113456789012345678901233456789012445678901253456789
                                                                                 END:
                                                                    [3]:
                                                                                 BEGIN
                                                                                 PROT_VALUE = .LOCAL_ACE[ACE$L_WOR_PROT];
PROT_FIELD_DSC = $DESCRIPTOR ('WORLD:');
                                                            TES:
PROT_IDX = 0:
INCR J FROM 0 TO 31
                                                             DO
                                                                    IF .PROT_CODE[.J] NEQ O AND NOT .PROT_VALUE<.J, 1>
                                                                    THEN
                                                                          BEGIN
                                                                          PROT_BUF[.PROT_IDX] = .PROT_CODE[.J];
PROT_IDX = .PROT_IDX + 1;
                                                                          END:
                                                                    END
                                                            SIZE = .SIZE + .PROT_FIELD_DSC[DSC$W_LENGTH] + .PROT_IDX;
STORE_TEXT (',');
  1140
1141
1143
1144
1145
1146
1146
1147
1151
1153
1157
1158
1159
                                                             END:
                                                      END:
                                               [ACESC JNLID]:
                                                     VOLNAM DESC[DSC$A POINTER] = VOLNAM TEXT;
FILENAME DESC[DSC$W LENGTH] = ATR$S FILE SPEC;
FILENAME DESC[DSC$A POINTER] = FILENAME TEXT;
LOCAL_STATUS = LIB$FID_TO_NAME (VOLNAM DESC, LOCAL ACE[ACE$T_FID],
  1160
1161
1162
1163
1164
                                                                                                            FILENAME_DESC, FILENAME_DESCT;
                                                      STORE_TEXT ('JOURNALED_FILE=');
                                                      THEN THEN
                           1160
```

```
M 15
SYSACLSRV
VO4-000
                                                                                                                                                                                                                                                                                               16-Sep-1984 01:51:51
14-Sep-1984 12:40:53
                                                                                                                                                                                                                                                                                                                                                                                                           VAX-11 Bliss-32 V4.0-742
CLOADSS.SRCJSYSACLSRV.B32;1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Page
                                                                         SFORMAT_ACL system service
: 1165
: 1166
: 1167
                                                                                                                                                                  BEGIN
                                                                        1162
1163
1164
1165
                                                                                                                                                                 LOCAL SEGMENT_START : REF VECTOR [,BYTE],
SEGMENT_SIZE; ! Size of segment to get
SEGMENT_START = .FICENAME_DESCEDSC$A_POINTER];
SEGMENT_SIZE = MINU (.WIDTH - .LINE_SIZE, .FILENAME_DESCEDSC$W_LENGTH]);
         1168
         1169
                                                                         1166
1167
                                                                         1168
1169
1170
1171
                                                                                                                                                                                     IF .SEGMENT_SIZE LSSU .FILENAME_DESC[DSC$W_LENGTH]
                                                                                                                                                                                     THEN
         1174
1175
1176
1177
                                                                                                                                                                                                     DECR J FROM .SEGMENT_SIZE TO 1
                                                                         1172
1173
1174
1175
1176
1177
                                                                                                                                                                                                                        BEGIN
                                                                                                                                                                                                                       IF .SEGMENT_START[.J - 1] EQL ':'
OR .SEGMENT_START[.J - 1] EQL ':'
OR .SEGMENT_START[.J - 1] EQL ':'
OR .SEGMENT_START[.J - 1] EQL ':'
         1180
1181
                                                                                                                                                                                                                        THEN
                                                                         1178
                                                                                                                                                                                                                                         BEGIN
                                                                                                                                                                                                                                         SEGMENT_SIZE = .J;
         1184
1185
                                                                         1180
                                                                                                                                                                                                                                          EXITLOOP:
                                                                          1181
                                                                                                                                                                                                                                          END:
         1186
1187
                                                                         1182
1183
                                                                                                                                                                                                                        END:
                                                                                                                                                                                   CH$MOVE (.SEGMENT_SIZE, .SEGMENT_START, BUFFER[.SIZE]);
LINE_SIZE = .LINE_SIZE + .SEGMENT_SIZE;
SIZE = .SIZE + .SEGMENT_SIZE;
FILENAME_DESC[DSC$W_LENGTH] = .FILENAME_DESC[DSC$W_LENGTH] - .SEGMENT_SIZE;
SEGMENT_START = .SEGMENT_START + .SEGMENT_SIZE;
IF .FILENAME_DESC[DSC$W_[ENGTH]] GTR 0 THEN NEW_LINE;
SEGMENT_SIZE = .SIZE - .SIZE -
         1188
1189
                                                                         1184
1185
                                                                         1186
1187
          1190
         1191
1192
1193
1194
1195
                                                                         1188
                                                                                                                                                                                    SEGMENT_SIZE = MINU (.WIDTH - .LINE_SIZE, .FILENAME_DESC[DSC$W_LENGTH]);
                                                                         1189
                                                                         1190
                                                                         1191
                                                                                                                                                                  UNTIL .FILENAME_DESC[DSC$W_LENGTH] LEQ 0;
STORE_TEXT (',');
                                                                         1192
1193
        1196
1197
1198
1199
1200
1201
1203
1204
1205
1206
1207
1210
1211
1213
1214
1217
1218
1219
1220
1221
                                                                                                                                                                  END
                                                                         1194
1195
                                                                                                                                               ELSE
                                                                                                                                                                  BEGIN
                                                                                                                                                                 FAO_DESC[DSC$W_LENGTH] = MAX_FAO_LENGTH;
FAO_DESC[DSC$A_POINTER] = FAO_BUF;
$FAO_($DESCRIPTOR ('(!UW,!UW,!UW),'),
                                                                         1196
1197
                                                                        1198
1199
                                                                                                                                                                FAO_DESC,
FAO_DESC,
.(LOCAL_ACE[ACEST_FID] + $BYTEOFFSET (FID$W_NUM)),
.(LOCAL_ACE[ACEST_FID] + $BYTEOFFSET (FID$W_SEQ)),
.(LOCAL_ACE[ACEST_FID] + $BYTEOFFSET (FID$W_RVN)));
CHECK_WIDTH (.FAO_DESC[DSC$W_LENGTH]);
CH$MOVE (.FAO_DESC[DSC$W_LENGTH]), .FAO_DESC[DSC$A_POINTER], BUFFER[.SIZE]);
SIZE = .SIZE + .FAO_DESC[DSC$W_LENGTH];
                                                                         1206
1207
1208
1209
1210
                                                                                                                                                                  END;
                                                                                                                                               STORE TEXT ('MARKED FOR JOURNALING=');
FAO DESCEDSCSW LENGTH] = MAX FAO LENGTH;
FAO DESCEDSCSA POINTER] = FAO BUF;
SFAO (SDESCRIPTOR ('!XD,'),
                                                                                                                                          FAO_DESC,
FAO_DESC,
FAO_DESC,
LOCAL_ACE[ACESQ_ID_DATE]);
FAO_BUF[11] = ':';
IF .FAO_BUF[0] EQL ''
                                                                         1214
                                                                         1216
```

SYS

```
N 15
16-Sep-1984 01:51:51
14-Sep-1984 12:40:53
SYSACLSRV
VO4-000
                                                                                                                                                                                                                                                                                      VAX-11 Bliss-32 V4.0-742 [LOADSS.SRC]SYSACLSRV.B32;1
                                                                                                                                                                                                                                                                                                                                                                                                        Page 44 (5)
                                                  $FORMAT_ACL system service
                                                                                                                 FAO_DESC[DSC$W_LENGTH] = .FAO_DESC[DSC$W_LENGTH] - 1;
FAO_DESC[DSC$A_POINTER] = .FAO_DESC[DSC$A_POINTER] + 1;
END;
                                                    1218
1219
1220
1221
1223
1224
1226
1227
     12345678901234567890123456789012555557890123456678901234567777777778
                                                                                                    CHECK WIDTH (.FAO_DESC[DSC$W_LENGTH]);
CH$MOVE (.FAO_DESC[DSC$W_LENGTH], .FAO_DESC[DSC$A_POINTER], BUFFER[.SIZE]);
SIZE = .SIZE + .FAO_DESC[DSC$W_LENGTH];
                                                                                        CINRANGE
                                                                                           OUTRANGE ]:
                                                                                                  1238
1239
                                                                                                  PRMLST = %REF (.LOCAL_ACE[ACE$B_SIZE]);

SIZE = .SIZE + 5;

STORE_TEXT ('Flags=');

CHECK_WIDTH (7);

FAO_DESCR[DSC$W_LENGTH] = 7;

FAO_DESCR[DSC$A_POINTER] = BUFFER[.SIZE];

$FAOL (CTRSTR = $DESCRIPTOR ('%x!xw,'),

OUTBUF = FAO_DESCR,

PRMLST = %REF (.LOCAL_ACE[ACE$W_FLAGS]));

SIZE = .SIZE + 7;

STORE_TEXT ('Access=');

CHECK_WIDTH (11);

FAO_DESCR[DSC$W_LENGTH] = 11;

FAO_DESCR[DSC$A_POINTER] = BUFFER[.SIZE];

$FAOL (CTRSTR = $DESCRIPTOR ('%x!xL,'),

OUTBUF = FAO_DESCR,

PRMLST = %REF (.LOCAL_ACE[ACE$L_ACCESS]));

SIZE = .SIZE + 11;

STORE_TEXT ('Data=');

INCR J FROM 1 TO (.LOCAL_ACE[ACE$B_SIZE] - ACE$C_LENGTH + 3) / 4

DO

DEGIN
                                                  1246
                                                   1248
                                                 1250
                                                  1252
1253
1254
1255
1256
1257
                                                 1258
1259
                                                  1260
                                                  1261
1262
1263
                                                  1264
1265
1266
1267
                                                                                                                BEGIN
CHECK_WIDTH (11);
FAO_DESCR[DSC$W_LENGTH] = 11;
FAO_DESCR[DSC$A_POINTER] = BUFFER[.SIZE];
$FAOL (CTRSTR = $DESCRIPTOR ('XX!XL,'),
OUTBUF = FAO_DESCR,
PRMLST = VECTOR [LOCAL_ACE[ACE$L_KEY], .J - 1]);
$IZE = .SIZE + 11;
                                                                                                    BUFFERE.SIZE - 1] = %C')';
```

```
SYSACLSRV
VO4-000
                                                                                                                       16-Sep-1984 01:51:51
14-Sep-1984 12:40:53
                                                                                                                                                                    VAX-11 Bliss-32 V4.0-742
LLOADSS.SRCJSYSACLSRV.B32;1
                              $FORMAT_ACL system service
                              1275
1276
1277
1278
1279
1279
1280
1281
1282
1283
1284
1285
1286
1287
1288
1290
1291
1292
1293
1294
                                                            IF PROBER (%REF (0), %REF (DSC$C_S_BLN), .ACL_STRING)
                                                            THEN
                                                                   BEGIN
                                                                   IF EXESPROBEW (O, .ACL STRING LEN, .ACL STRING[DSC$A POINTER])
THEN CH$COPY (.SIZE, BUFFER, O, .ACL STRING LEN, .ACL STRING[DSC$A POINTER])
                              1280
1281
1282
1283
                                                                   ELSE RETURN SS$_ACCVIO
                                                                   END
                                                           ELSE RETURN SS$ ACCVIO;

IF .ACL_LENGTH NEQ 0

THEN IF PROBEW (%REF (0), %REF (4), .ACL_LENGTH)

THEN .ACL_LENGTH = .SIZE ELSE RETURN SS$_ACCVIO;

IF .SIZE GTR .ACL_STRING_LEN

THEN .ACL_STRING_LEN

THEN .ACL_STRING_LEN

THEN .ACL_STRING_LEN

THEN .ACL_STRING_LEN
                              THEN RETURN SS$_BOFFEROVF ELSE RETURN SS$_NORMAL;
                                                            END:
                                            TES:
                                            ! Note any special flags applied to the ACE.
   1296
1297
1298
1299
1300
                                             FLAGS = .LOCAL_ACE[ACE$W_FLAGS];
                                             IF .AUDIT_MASK
                                             THEN FLAGS = .FLAGS AND NOT ($FIELDMASK (ACE$V_SUCCESS) OR $FIELDMASK (ACE$V_FAILURE));
                                             IF .FLAGS NEQ 0
    1301
1302
1303
1304
1305
1306
1307
1308
1309
                                             THEM
                                                    BEGIN
                                                    STORE_TEXT ('OPTIONS=');
                                                    IF TESTBITSC (FLAGS[$BITPOSITION (ACE$V_DEFAULT)])
THEN STORE_TEXT ('DEFAULT+');
IF TESTBITSC (FLAGS[$BITPOSITION (ACE$V_HIDDEN)])
THEN STORE_TEXT ('HIDDEN+');
IF TESTBITSC (FLAGS[$BITPOSITION (ACE$V_PROTECTED)])
                                                    THEN STORE TEXT ('PROTECTED+');
IF TESTBITSC (FLAGS[$BITPOSITION (ACE$V_NOPROPAGATE)])
                              1306
1307
    1310
                                                    THEN STORE TEXT ('NOPROPAGATE+');
IF .FLAGS NEQ 0
                                                    THEN
                              1310
1311
1312
1313
                                                           BEGIN
                                                           CHECK_WIDTH (7);
FAO_DESCR[DSC$W_LENGTH] = 7;
FAO_DESCR[DSC$A_POINTER] = BUFFER[.SIZE];
   1315
   1316
                             1314
1315
1316
1317
                                                            SFAO (SDESCRIPTOR ('XX!XW,'),
                                                                      FAO_DESCR,
FAO_DESCR,
.FLAGS);
                         P
   1320
1321
1322
1323
1324
1326
1327
1328
1333
1333
1333
1333
1333
                              1318
                                                            SIZE = .SIZE + 7:
                                                            END
                              1320
1321
1322
1323
1324
1326
1326
1327
1328
1329
1330
                                                    ELSE BUFFER[.SIZE - 1] = %C',';
                                                    END:
                                             ! Note the access rights.
                                             IF .ACCESS_MASK
                                             THEN
                                                    BEGIN
                                                    IF .LOCAL_ACE[ACE$L_ACCESS] NEQ O OR (.AUDIT_MASK
                                                            AND (. [OCAL_ACE[ACE$V_SUCCESS]
                                                                     OR .LOCAL_ACE[ACE$V_FAILURE]))
```

THEN RETURN SS\$\_BOFFEROVF ELSE RETURN SS\$\_NORMAL;

1392

Page

```
D 16
SYSACLSRV
V04-000
                                                                                16-Sep-1984 01:51:51
14-Sep-1984 12:40:53
                                                                                                              VAX-11 Bliss-32 V4.0-742
LLOADSS.SRCJSYSACLSRV.B32;1
                                                                                                                                                                  (5)
                                                                                                                                                            Page
                    $FORMAT_ACL system service
: 1393
                    1389 1 END:
                                                                                          ! End of routine SYS$FORMAT_ACL
                                                                                             .PSECT $PLIT$, NOWRT, NOEXE, 2
                                                                                  P.ADF:
                                                                                             .ASCII
                                                                                             .ASCII
                                                                                             .ASCII
                                                                                                       101
                                                                           00328
00329
00344 P.ADG:
00348 P.ADH:
00354 P.ADJ:
                                                                      00#
28
49
21
                                                                                                       \(\<0><0><0>
                                                                                             .ASCII
                    3D
                                 49
                                       46
                                             49
                                                  54
                        52 45
                                                                                                       \IDENTIFIER=\<0>
                                                                                             .ASCII
                                                                                                       11%!/
                                                                                             .BLKB
                                                              000000000
000000000
00 2B
49 42
49 41
54 41
00 20
                                                                           00358 P.ADI:
                                                                                             .LONG
                                                                                             .ADDRESS P.ADJ
                                                       00
4A
4A
                                                                           00360
                                                            00
55
55
55
60
4
                                                                                                       \+\<0><0><0>
                                                                           00364 P.ADL:
                                                                                                       \BI_JOURNAL=\<0>
                                                  4F
                                                                                                      \AI_JOURNAL=\<0>
\AT_JOURNAL=\<0>
\,\<0><0><0>
                                                                                  P.ADM:
                                                       4A
                                                                                  P.ADN:
                                                                                             .ASCII
                                                       00
                                                                                  P.ADO:
                                                       49
                                                                                  P.ADP:
     3D
                   4E
                                                                                             .ASCII
                                                                                                       \AUDIT_JOURNAL=\<0><0>
                                                                           0039B
                                                  4D
                                                                           0039C
                        52
                             55
                                             5F
                                                                                  P.ADQ:
                                                                                             .ASCII
                                                                                                       \ALARM_JOURNAL=\<0><0>
                                                                           003AB
                                                                                                       1,1<0><0><0>
                                                  55
                                                       41
                                                                                             .ASCII
              54
                        52
                             50
                                   5F
                                        54
                                             40
                                                            46
                                                                           003B0 P.ADS:
                                                                                                      \DEFAULT_PROTECTION, \<0>
                                                                           003C4 P.ADU:
                                             4D
                                                                                             .ASCII
                                                                                                       \SYSTEM:\
                                                                                             .BLKB
                                                                           003CB
                                                               00000007
                                                                           003CC P.ADT:
                                                                                             .LONG
                                                              00000000
                                                                           003D0
                                                                                             .ADDRESS P.ADU
                                                                                                      \OWNER:\
                                                  52 45 4E
                                                                           003D4 P.ADW:
                                                                                             .ASCII
                                                                           003DA
                                                                                             .BLKB
                                                               00000006
                                                                           003DC P.ADV:
                                                                                             .LONG
                                                  50 55 4F 52 47
                                                                                             .ADDRESS P.ADW
                                                                           003E4 P.ADY:
                                                                                             .ASCII
                                                                                                      \GROUP:\
                                                                           003EA
003EC P.ADX:
                                                                                             .BLKB
                                                               00000006
                                                                                             .LONG
                                                               00000000°
                                                                                             .ADDRESS P.ADY
                                                      40
                                                          52 4F
                                                                           003F4 P.AEA:
                                                                                             .ASCII
                                                                                                      \WORLD:\
                                                                           003FA
                                                                                             .BLKB
                                                               00000000
                                                                                  P.ADZ:
                                                                                             .LONG
                                                                                            ADDRESS P. AEA
ASCII \,\<0><0><0>
                                   52
                                        55
                                                                                  P.AEC:
                                                                                             .ASCII
                                                                                                      \RMS_JOURNAL_ID, \<0>
                             4E
                                                                                  P.AED:
P.AEE:
                                                                                                       \DISK$\<0><0><0>
                                                                                             .ASCII
                                                                                                       \JOURNALED_FILE=\<0>
                                                                           00430 P.AEF:
00434 P.AEH:
00442
                                                                 21
                                                                                                      \,\<0><0><0>
\(!UW,!UW,!UW),\
                                                       00
57
                                                                                            .ASCII
          29 57 55 21 20 57 55
                                           21
                                                  20
                                                                                             .LONG
                                                               00000000
                                                                                             .ADDRESS P.AEH
```

SYS	ACLS	RV		SFC	MAT	_ACL	sys	tem	serv	vice				1	E 16 6-Sep-19 4-Sep-19	984 01:51 984 12:40	:51	VAX-11 Bliss-32 V4.0-742 [LOADSS.SRC]SYSACLSRV.B32;1	Page 48
52	55	4F	44	5F	52	4F 00	46	5F 3D	44	45 4E	48 49 20	52 40 44	41 4E 25 21 00000004	0044C 0045B 00464 00468	P.AEI: P.AEK: P.AEJ:	.ASCII	\MAF	RKED_FOR_JOURNALING=\<0><0> D,\	
							3D	6E	77 20	6F 42	6E 58	6B 21	00000000 00000000 6E 55 58 25	00470	P.AEL:	.ADDRES .ASCII .ASCII .BLKB .LONG	\Unk	AEK known=\ !XB,\	
							00	00	00	3D 42	65	7A 21	00000006 00000000 69 53 44 25	0047E 00480 00484 00488 00490 00496	P.AEO: P.AEQ:	.ADDRES .ASCII	1512	AEN ze=\<0><0><0> !UB,\	
							00	00	3D 2C	73 57	67 58	61	00000006 00000000 60 46 58 25	00498 00490 004A0 004A8	P.AER:	.ASCII	S P.A	AEQ ags=\<0><0> !XW,\	
							00	3D	73 20	73 40	65	63	00000006 00000000 63 41 58 25	004AE 004B0 004B4 004B8 004C0	P.AEU:	.BLKB .LONG .ADDRES .ASCII	\Acc	AET cess=\<0>	1
							00	00	00	3D 4C	61 58		00000006 00000000 61 44 58 25	004C6 004C8 004CC	P.AEV:	.ASCII .BLKB .LONG .ADDRES .ASCII .ASCII	2 6 S P.A		
			00 2B	00	2B 54	44	3D 2B 00 45 47	53 54 28 54 41	44450C	4F55545F7	49 41 44 558		00000006 00000000° 50 4F 45 44 49 48 52 50 4F 4E 58 25	004DE 004E0 004E4 004E8 004F0 004F8	P.AEY: P.AFA: P.AFB: P.AFC: P.AFD:	.BLKB .LONG .ADDRES .ASCII .ASCII	2 6 NOP1 NDEF NHID	AEZ TIONS=\ FAULT+\ DDEN+\<0> OTFCTED+\<0><0>	
			2B	45	4E	4F	00 2B 2B 4E	3D 53 45 3D	53 53 52 53	53 45 55 53	45 43 45	43 49 43	00000000 00000000 43 41 55 53 41 46 43 41	0051E 00520 00524 00528 00530 00538 00540	P.AFE: P.AFF: P.AFH: P.AFI: P.AFJ: P.AFK:	.ASCII .ASCII .BLKB .LONG .ADDRES .ASCII .ASCII .ASCII	\SUC	AFG CESS=\<0> CCESS+\ ILURE+\ CESS=NONE+\	
															PROT_CC		SYS	P.ADF SFAOL, SYSSFAO DES,NOWRT,2	
					0с	BC 54		O	)C	5E 08 6E AC 50	E	87C 0C	OFF C CE 9E 00 00 79 13 BC 30 04 C1 64 D0	00000 00007 00007 00000 0000E 00012 00017		.ENTRY MOVAB PROBER BEQL MOVZWL ADDL3 MOVL	SYSS R9 R -602	SFORMAT_ACL, Save R2,R3,R4,R5,R6,R7,R8,R10,R11 20(SP), SP #8, @ACL_STRING L_STRING, ACL_STRING_LEN ACL_STRING, R4 ), R0	- : 0820 : 0958 : 0961 : 0962

YSACLSRV		\$FORMAT_	ACL	system ser	vice				F 16 16-Sep 14-Sep	-1984 01:51 -1984 12:40	51	VAX-11 Bliss-32 V4.0-742 [LOADSS.SRC]SYSACLSRV.B32;1	Page (
	6E		56	ОС	51 4F AC 6E	0000000G	650004006 0500000	D0 D4 16 E9 C1 20	0001A 0001D 0001F 00025 00028	MOVL	ACL_	STRING_LEN, R1  PROBEW 2\$ ACL_STRING, R6 (SP7, #32, ACL_STRING_LEN, @(R6)+	096
						08	59	7C 04	00033 00035	CLRQ	WIDT	H _POINTER _LENGTH T_MASK SS_MASK _WIDTH, RO	09
						24	AE AE AC O9	94	00038 0003A	CLRL CLRB CLRB MOVL BEQL PROBER	TERM	T_MASK	: 09
					50	24 20 10	AC	94 00	0003D 00040 00044	MOVL	LINE	_WIDTH, RO	09
			60		04		90	00	00046 0004A	PROBER BEQL	1.0	#4, (RO)	: 09
					59	14	60 AC 29	00	0004C 0004F 1\$:	MOVL	(RO)	_ WIDTH _DESC	99
		14	ВС		08		29	13 00	0004C 0004F 1\$: 00052 00054 00059	BEQL PROBER	45	#8, aTERM_DESC	098
					5B	14	00 65 BC 04	13 30	00059 0005B	MOVZWL	115 aTER		: 098
			50	14 08	5B AC AE 50 51	08	60 AE 5B 53	DO	0005B 0005F 00064 0006B 0006C	MOVL TSTL BEQL PROBER BEQL MOVZWL ADDL3 MOVL MOVL CLRL JSB BLBS BRW	(RÓ) TERM TERM	M DESC, TERM LENGTH TERM DESC, RO , TERM POINTER _POINTER, RO _LENGTH, R1	098
					03	000000006	00 50	14	0006F 00071	JSB BLBS	EXES	PRUBER	
					50	18	087	E8 31 00	0007A 3\$:	BRW MOVI	172\$	_INDENT, RO	: 099
			60		04		AC 09 00	D0 13 00	00081 00083	MOVL BEQL PROBER	65	#4, (RO)	: 099
					5A		00 F1 60 5A 1E 59	13 DO D5	00077 2\$: 0007A 3\$: 0007D 4\$: 00081 00083 00087 5\$: 00089 00086 6\$:	BEQL MOVL TSTL BEQL TSTL BLEQ CMPL BLEQU MOVL RET CMPL BGTRU CMPL BLEQU	(RO) INDE 10\$ WIDT	. INDENT	100
							59	D5 15	00090 00092	TSTL	WIDT	H	100
					59		5A 09 14	D1 1B	00094 00097	CMPL BLEQU	INDE	NT, WIDTH	100
					50		14	04	00099 0009C	MOVL RET	<b>8\$</b> #20,	RO	1
				00000000	6E		07	14	0009D 7\$:	BGTRU	9\$	NT, ACL_STRING_LEN	100
				00000000	8F		03	18	000A2 8\$: 000A9 9\$:	BLEQU	10\$ 174\$	NT, #3072	100
					50	00000000.	OSF EF AC OF	04	000AB 000AE 10\$:	BRW CLRL MOVL BEQL PROBER BEQL MOVL MOVC5	BIT-	NAME_TABLE TABLE, RO	101
			60	0100	8F		OF 00	13	000B4 000B8 000BA 000C0 11\$:	PROBER	125	#256, (RO)	: 101
	5.4		20	00000000	EF 6E		00 B8 50	13 00 20	000CZ	MOVL	RO, 1	BIT NAME TABLE (SP), #32, INDENT, BUFFER	101
	5A		20		6E 57	0A5C	CE 5A	00	000C9 12\$: 000CE 000D1	MOVES		NT, LINE_SIZE	102

SYSACLSRV V04-000	\$FORMAT_ACL	system service		G 16 16-Sep-1984 01:51:51 VAX-11 Bliss-32 V4.0-742 14-Sep-1984 12:40:53 [LOADSS.SRC]SYSACLSRV.B32;1	Page 50 (5)
		56	28 AE 59	DO 000D4 MOVL INDENT, SIZE D4 000D7 CLRL 40(SP) D5 000DA TSTL WIDTH 13 000DC BEQL 14\$ D6 000DE INCL 40(SP) 9E 000E1 MOVAB 1(R7), R0	1023
		50 59	28 AE 59 28 AE 01 A7 50 22 5B 0F 5B 14 BC 50	06 000DE	
5A	0A5C CE46	08 BE 50 56 6E	14 BC	15 000EC 28 000EE 3C 000F6 CO 000FA 2C 000FD 13\$:  BLEQ 13\$ TERM LENGTH, aTERM_POINTER, BUFFER[SIZE] ADDL2 RO, SIZE CO 000FD 13\$:  MOVC5 #0, (SP), #32, INDENT, BUFFER[SIZE]	
,,	20	56 57	OASC CE46		
		57 0A5C CE46	00000000° FF	D6 0010C 14\$: INCL LINE SIZE	
	64	54 08	00000000° EF 56 04 AC 00	0C 0011E PROBER #0. #8. (R4)	1024
		000000FF 8F	24 64 55 06 21E4 8F	3C 00124 MOVZWL (R4), ACL_ENTRY_LEN D1 00127 CMPL ACL_ENTRY_LEN, #255 1B 0012E BLEQU 15\$	1027 1028
		50 50 51		04 00135 D0 00136 15\$: MOVL 4(R4), R0	1029
			04 A4 55 53 000000000 00 50	DO DOTSA MOVI ACI ENTRY I EN . R1	
		03	OFRO	D4 0013D CLRL R3 16 0013F JSB EXESPROBER E8 00145 BLBS R0, 17\$ 31 00148 16\$: BRW 172\$	
	FF00 CD 08	04 B4 18 AE 01	FF01 CD 18 AE	28 0014B 17\$: MOVC3 ACL_ENTRY_LEN, @4(R4), LOCAL_ACE 9A 00152 MOVZBL LOCAL_ACE +1, 24(SP) 8F 00158 CASEB 24(SP), #1, #8 0015D 18\$: .WORD 46\$-18\$,-	1030 1037
04A8 08A4	08 04A8 0012	04A8 0609	FF01 CD 18 AE 0387 0609 072E	28 0014B 17\$: MOVC3 ACL_ENTRY_LEN, @4(R4), LOCAL_ACE 9A 00152 MOVZBL LOCAL_ACE +1, 24(SP) 8F 00158 CASEB 24(SP), #1, #8 0015D 18\$: .WORD 46\$-18\$,- 00165 55\$-18\$,- 00160 55\$-18\$,-	
			0,22	31 00148 16\$: BRW 172\$ 28 0014B 17\$: MOVC3 ACL_ENTRY_LEN, @4(R4), LOCAL_ACE 9A 00152 MOVZBL LOCAL_ACE 1, 24(SP) 6ASEB 24(SP), #1, #8 0015D 18\$: .WORD 46\$-18\$,- 00165 55\$-18\$,- 69\$-18\$,- 69\$-18\$,- 19\$-18\$,- 98\$-18\$,- 81\$-18\$	
		2B	28 AF		1230
		2B 50 59	28 AE 08 A7 50 222 5B 0F 5B 14 BC 50 0A5C CE46	9E 00173 MOVAB 8(R7), R0 D1 00177 CMPL R0, WIDTH 1B 0017A BLEQU 21\$	
	OASC CE46	08 BE	SB OF SR	NA DOLLAR	
		08 BE 50 56 6E	14 BC	15 0017E 28 00180 3C 00188 CO 0018C 2C 0018F 20\$: MOVCS MOVC	
5A	20	30	OASC CE46	2C 0018F 20\$: MOVC5 WO, (SP), W32, INDENT, BUFFER[SIZE]	:

SYSACLSRV V04-000	\$FORMAT_ACL	system service	•	H 16 16-Sep-1984 01:51:51 VAX-11 Bliss-32 V4.0-742 14-Sep-1984 12:40:53 [LOADSS.SRC]SYSACLSRV.B32;1	Page 5
	OASC CE46	00000000° EF	28 05	5A CO 00198 5A DO 0019B 08 CO 0019E 08 CO 0019E 08 28 001A1 08 CO 001AC AE E9 001AF A7 9E 001B3 50 D1 001B7 22 1B 001BA 5B D5 001BC 0F 15 001BE 0F 15 001CB 0F 15 001CB 0F 15 001CB 0F 15 001CC 0F 15	123
5/	0A5C CE46	50	14 E	5B D5 001BC TSTL TERM_LENGTH  OF 15 001BE BLEQ 22\$  5B 28 001CO MOVC3 TERM_LENGTH, aTERM_POINTER, BUFFER[SIZE]  BC 3C 001C8 MOVZWL aTERM_DESC, RO  50 C0 001CC ADDL2 RO, SIZE  00 2C 001CF 22\$: MOVC5 #0, (SP), #32, INDENT, BUFFER[SIZE]	
		FEF8 CD FEFC CD		5A CO 001D8 ADDL2 INDENT, SIZE 5A DO 001DB MOVL INDENT, LINE SIZE 05 CO 001DE 23\$: ADDL2 #5, LINE SIZE 05 BO 001E1 MOVW #5, FAO DESCR	123 123 123
		00000000G 00 56 2E 50	0A5C CE4 18 1C FEF8 00000000°	5A CO 001D8 5A DO 001DB 5A DO 001DB 05 CO 001DE 23\$: ADDL2	123
5/	0A5C CE46	50		0F 15 0021B BLED 248	
		00000000° EF		5A DO 00238	123
5/	0A5C CE46	50	OASC CE4	50 CO 00269 ADDL2 RO, SIZE 00 2C 0026C 26\$: MOVC5 WO, (SP), W32, INDENT, BUFFER[SIZE]	

SYSACLSRV V04-000	\$FORMAT_ACL	. system serv	rice	I 16 16-Sep-1984 01:51:51 VAX-11 Bliss-32 V4.0-742 Page 14-Sep-1984 12:40:53 [LOADSS.SRC]SYSACLSRV.B32;1	ge 52 (5)
		FEF8 FEFC 1C	57 CD 05 CD 0A5C CE46 AE FF00 CD 1C AE FEF8 CD	CO 0027B 27\$: ADDL2 #5, LINE_SIZE BO 0027E MOVW #5, FAO_DESCR 9E 00283 MOVAB BUFFER[SIZE], FAO_DESCR+4 9A 0028B MOVZBL LOCAL_ACE, 28(SP) 9F 00291 PUSHAB 28(SP) 9F 00294 PUSHAB FAO_DESCR 04 00298 CLRL -(SP) 9F 0029A PUSHAB P.AEP FR 002AO CALLS #4 SYSSEAO	1240 1241 1244
		0000000G	OD OASC CE46 FF00 CD 1C AE FEF8 CD 7E 000000000 FF 00 S6 28 AE 50 S6	CO 0027B 27\$: ADDL2	1245 1246
	0A5C CE46		BE 58 50 14 BC 56 50 6E 000	CO 002C7 2C 002CA 28\$: MOVC5 WO, (SP), W32, INDENT, BUFFER[SIZE]	
	OASC CE46	00000000	56 57 57 66 58 58 58 59 59 50 58 58 58 58 58 58 58 58 58 58	002CF C0 002D3	1247
	0A5C CE46	08	BE 58 50 14 BC 56 50 6E 000	15 002F9 28 002FB 3C 00303 CO 00307 CO 00307 CC 0030A 30\$:  BLEQ 30\$ MOVC3 TERM LENGTH, aTERM_POINTER, BUFFER[SIZE] ADDL2 RO, SIZE CO 0030A 30\$:  MOVC5 #0, (SP), #32, INDENT, BUFFER[SIZE]	
		FEF8 FEFC 1C	0A5C CE46 56 57 57 CD 07 CD 0A5C CE46 AE FF02 CD 1C AE FEF8 CD	0030F C0 00313 ADDL2 INDENT, SIZE D0 00316 MOVL INDENT, LINE SIZE C0 00319 31\$: ADDL2 #7, LINE SIZE B0 0031C MOVW #7, FAO DESCR 9E 00321 MOVAB BUFFER[SIZE], FAO DESCR+4 3C 00329 MOVZWL LOCAL ACE+2, 28(SP) 9F 0032F PUSHAB 28(SP) 9F 00332 PUSHAB FAO DESCR CLRL -(SP) 9F 00338 PUSHAB P.AES FB 0033F CALLS #4- SYS\$FAOL	1248 1249 1252
		0000000G	00000000° EF	D4 00336	1253 1254
	OASC CE46	5 08	2B 28 AE 50 07 A7 59 50 58 0F BE 50 14 B0	15 00355 TSTL TERM_LENGTH 15 00357 BLEQ 32\$ 28 00359 MOVC3 TERM_LENGTH, aTERM_POINTER, BUFFER[SIZE] 3C 00361 MOVZWL aTERM_DESC, RO	

SYSACLSRV VO4-000		\$FORMAT_ACL	system servi	ce		1	J 16 6-Sep-1 4-Sep-1	984 01:51 984 12:40	1:51 VAX-11 Bliss-32 V4.0-742 0:53 [LOADSS.SRC]SYSACLSRV.B32;1	Page 53 (5)
	5A	20	5	6 E OASC	50	CO 00365 2C 00368	32\$:	ADDL2 MOVC5	RO, SIZE #0, (SP), #32, INDENT, BUFFER[SIZE]	1
		OASC CE46	0000000° 55	6 7 7 F	5550077 AA5250FBC00	00360 00371 00 00377 28 00377 00 00385 9E 00386 9E 00386 9E 00397 15 00397 28 00397 28 00397 28 00386	33\$:	ADDL2 MOVL3 ADDL2 MOVC3 ADDL2 BLBC MOVAB CMPL BLEQU TSTL BLEQ MOVC3 MOVZWL ADDL2 MOVC5	INDENT, SIZE INDENT, LINE SIZE #7, LINE SIZE #7, P.AEO, BUFFER[SIZE] #7, SIZE 40(SP), 35\$ 11(R7), R0 R0, WIDTH 35\$	1255
	5A	0A5C CE46 20	08 B	E 0 14			34\$:	BLEQ MOVC3 MOVZWL ADDL2 MOVC5	TERM_LENGTH 34\$ TERM_LENGTH, aTERM_POINTER, BUFFER[SIZE] aTERM_DESC, RO RO, SIZE #0, (SP), #32, INDENT, BUFFER[SIZE]	
			FEF8 CI FEFC CI 1C A	D	5A 5A 0B 0B	003AD 00 003B4 00 003B7 B0 003BA 9E 003BA 9E 003C7 9F 003C0	35\$:	ADDL2 MOVL ADDL2 MOVW MOVAB MOVL PUSHAB PUSHAB	INDENT, SIZE INDENT, LINE SIZE #11, LINE SIZE #11, FAO DESCR BUFFER[SIZE], FAO DESCR+4 LOCAL ACE+4, 28(SP) 28(SP) FAO DESCR	1256 1257 1260
			00000000G	00000000° 8 28 0 05	CE 46 CAED TEF 40B AA7 522B	9F 00300 9F 00300 9F 00300 FB 00300 CO 003E3 E9 003E6 9E 003F3 15 003F3 15 003F3 28 003F7 3C 00406		ADDL2 MOVU MOVAB MOVL PUSHAB PUSHAB CLRL PUSHAB CALLS ADDL2 BLBC MOVAB CMPL BLEQU TSTL BLEQ MOVC3 MOVC5	-(SP) P.AEV #4, SYS\$FAOL #11, SIZE 40(SP), 37\$ 5(R7), R0 R0, WIDTH 37\$ TERM_LENGTH	1261 1262
	5A	0A5C CE46 20				22 1B 003F1 BLEQU 37\$  5B D5 003F3 TSTL TERM_LENGTH  0F 15 003F5 BLEQ 36\$  0A5C CE46 08 BE 5B 28 003F7 MOVC3 TERM_LENGTH, aTERM_POINTER, BUFFER  50 14 BC 3C 003FF MOVZWL aTERM_DESC, RO  50 CO 00403 ADDL2 RO, SIZE  20 6E 00 2C 00406 36\$: MOVC5 #0, (SP), #32, INDENT, BUFFER[SIZE	36\$ TERM LENGTH, aTERM_POINTER, BUFFER[SIZE] aTERM_DESC, RO RO, SIZE #0, (SP), #32, INDENT, BUFFER[SIZE]			
		OASC CE46	00000000 5		5A 5A	CO 0040F DO 00412 CO 00415 28 00418	37\$:		INDENT, SIZE INDENT, LINE SIZE #5. LINE SIZE #5. P.AEX. BUFFER[SIZE] #5. SIZE LOCAL ACE, 28(SP) #5. 28(SP) #4. 28(SP)	
			1C A	FF00	05 05 04 58	CO 0040F DO 00412 CO 00415 28 00418 CO 00423 9A 00426 C2 00420 C6 00430 D4 00434		MOVZBL SUBL2 DIVL2 CLRL	#5, SIZE LOCAL ACE, 28(SP) #5, 28(SP) #4, 28(SP)	1263
			21 55	B 28 0 08	055050548A 0550548A 055028	0040B 00 00412 00 00415 28 00418 00 00423 9A 00426 06 00436 07 00436 08 00436 09 00436 09 00445 09 00445 09 00445	38\$:	ADDL2 MOVL3 ADDL2 MOVZBL SUBL2 DIVL2 CLRL BRB BLBC MOVAB CMPL BLEQU TSTL	41\$ 40(SP), 40\$ 11(R7), R0 R0, WIDTH 40\$ TERM_LENGTH	1266

SYSACLSRV V04-000		SFORMAT_A	ACL	system servi	ce			1	16 -Sep- -Sep-	1984 01:51 1984 12:40	:51	VAX-11 Bliss-32 V4.0-742 [LOADSS.SRC]SYSACLSRV.B32;1	Page (5
		OASC CE		08 B	E 0 14	0F 5B BC 50	15 28 30 20 20	00447 00449 00451 00455	700	BLEQ MOVC3 MOVZWL ADDL2 MOVC5	39\$ TERM aTERM RO.	LENGTH, aTERM_POINTER, BUFFER[SIZE]  DESC, RO  SIZE (SP), #32, INDENT, BUFFER[SIZE]	1
	5A		20		. 0A50	CE46	CO	0045D	39\$:				
				FEF8 C	7 7 D D 0A50 FF04 FEF8	5A 0B 0B CE46 CD48	DO CO BE DE PE	00464 00467 0046A 0046F 00477	40\$:	ADDL2 MOVL ADDL2 MOVW MOVAB PUSHAL PUSHAB CLRL PUSHAB	INDER	NT, SIZE NT, LINE_SIZE LINE_SIZE FAO_DESCR ER[SIZE], FAO_DESCR+4 L_ACE+4[J] DESCR	126 126 127
				000000006 0	00000000	04	9F FB	00480 00482 00488		PUSHAB	P.AE	Y SYS\$FAOL	
		ОС	A1 BC	0A5B CE4	6 8 10 6 8	0P AE 29	F3	0048F 00492 00497 0049D 004A2 004A4	41\$:	CALLS ADDL2 AOBLEQ MOVB PROBER	#11	SIZE P), J, 38\$ BUFFER-1[SIZE] W8, BACL_STRING	127 126 127
			54	OC A	C 0 1	04 64 6E 53 6 00	000	004A4 004A9 004AC 004AF		BEQL ADDL3 MOVL MOVL CLRL JSB BLBS	(84)	ACL_STRING, R4 , R0 STRING_LEN, R1	127
			58	0 0C A		0047	16 E8 31	004B1 004B7 004BA	42\$: 43\$:	BKW	RO.	PROBEW 43\$	127
	6E		58	OASC C		04 56 98	20	00462		ADDL3 MOVC5		ACL_STRING, R8, BOFFER, #0, ACL_STRING_LEN, a(R8)+	1
			60	5		9 00	13 00	004CE 004D0		MOVL BEQL PROBEW	44\$- 40, 4	LENGTH, RO V4, (RO)	128
				6	Q E	56 56 03	13 D0 D1 14	004D4 004D6 004D9 004DC	445:	BEQL MOVL CMPL BGTR	SIZE,	(RO) ACL_STRING_LEN	128
				20 A	E B 28 0 08	0C32 0C29 01 AE A7 50 25B 0F	31 90 99 91 18	004C9 004CE 004D6 004D6 004D6 004DE 004E8 004E8 004F3	45\$: 46\$:	BRW BRW MOVB BLBC MOVAB CMPL BLEQU TSTL BLEQ MOVZWL ADDI 2	175\$ 174\$ #1, # 40(SF 11(R7 R0, W	ACCESS MASK P), 485 7), RO WIDTH	104 104
		OASC CE	E46	08 B	E 14	28	15 28 30 20	004F7 004F9 00501 00505		BLEQ MOVC3 MOVZWL ADDL2	TERM	LENGTH LENGTH, aTERM_POINTER, BUFFER[SIZE] LENGTH, aTERM_POINTER, BUFFER[SIZE] SIZE	
	5A		20		UASC	CE46		00508 0050D	47\$:	ADDL2 MOVC5		STZE (SP), #32, INDENT, BUFFER[SIZE]	
		OASC CE	E46	00000000 5	6 7 7 F	5A 0B 0B 0B	28 00 00 00 00	00511 00514 00517 0051A 00525	48\$:	ADDL2 MOVL ADDL2 MOVC3 ADDL2	INDEN	NT, SIZE NT, LINE SIZE LINE SIZE P.ADR, BUFFER[SIZE] SIZE	

SYSACLSRV V04-000	SFORMAT_ACL	system service	L 16 16-Sep-1984 01:51:51 VAX-11 Bliss-32 V4.0-742 Pag 14-Sep-1984 12:40:53 [LOADSS.SRC]SYSACLSRV.B32:1	e 55 (5)
58	FFO2 CD		9A 00528 MOVZBL LOCAL_ACE, 28(SP) C2 0052E SUBL2 #5, 28(SP) C6 00532 DIVL2 #4, 28(SP) EF 00536 EXTZV #0, #4, LOCAL_ACE+2, J 31 0053D BRW 54\$ D0 00540 49\$: MOVL LOCAL_ACE+4[J], KEY_IDENTIFIER	1043
		2C AE FF04 CD48 0A54 CE 0200 8F 0A58 CE 0854 CE 2C AE 0A58 CE 0A58 CE 0A58 CE 0A5C CE	C6 00532	1046 1047 1048 1052
		2C AE FF04 CD48 0A54 CE 0200 0A58 CE 0854 CE 0A58 CE 0	9F 00558 9F 0055C PUSHAB FAO DESC 9F 00560 PUSHAB P.ADI FB 00566 CALLS #4, SYS\$FAOL E9 0056D BLBC 40(SP), 51\$ 3C 00571 MOVZWL FAO DESC, RO CO 00576 ADDL2 LINE SIZE, RO D1 00579 CMPL RO, DIDTH 1B 0057C BLEQU 51\$ D5 0057E TSTL TERM_LENGTH 15 00580 BLEQ 50\$ 28 00582 MOVC3 TERM LENGTH, aTERM_POINTER, BUFFER[SIZE] 3C 00586 MOVZWL aTERM_DESC, RO	1053
5A	0A5C CE46	08 BE 5B 50 14 BC 56 50	D5 0057E TSTL TERM_LENGTH 15 00580 BLEQ 50\$ 28 00582 MOVC3 TERM_LENGTH, aTERM_POINTER, BUFFER[SIZE] 3C 0058A MOVZWL aTERM_DESC, RO CO 0058E ADDL2 RO, SIZE 2C 00591 50\$: MOVC5 #0, (SP), #32, INDENT, BUFFER[SIZE]	
	OASC CE46	56 18 AE 2B 28 AE 50 01 A7 59 50	CO 0059A ADDL2 INDENT, SIZE DO 0059D MOVL INDENT, LINE_SIZE 3C 005A0 51\$: MOVZWL FAO_DESC, 24(SP) CO 005A6 ADDL2 24(SP), LINE_SIZE 28 005AA MOVC3 24(SP), aFAO_DESC+4, BUFFER[SIZE] CO 005B4 ADDL2 24(SP), SIZE E9 005B8 BLBC 40(SP), 53\$ 9E 005BC MOVAB 1(R7), R0 D1 005C0 CMPL RO_WIDTH	1056 1057 1058
5A	0A5C CE46 20	50 14 BC 56 50	1B 005C3 D5 005C5 D5 005C5 TSTL TERM_LENGTH S28 005C9 MOVC3 TERM LENGTH, aTERM_POINTER, BUFFER[SIZE] TC 005D1 MOVZWL ATERM_DESC, RO ADDL2 RO, SIZE MOVC5 WO, (SP), W32, INDENT, BUFFER[SIZE]	
		57 5Ã	CO 005E1 ADDL2 INDENT, SIZE DO 005E4 MOVL INDENT, LINE_SIZE D6 005E7 53\$: INCL LINE_SIZE 90 005E9 MOVB P.ADR, BUFFER[SIZE] D6 005F3 INCL SIZE F1 005F5 54\$: ACBL 28(SP), #1, J, 49\$ 90 005FC MOVB #44, BUFFER-1[SIZE] 31 00602 BRW 126\$ 91 00605 55\$: CMPB 24(SP), #2	
FF44	58	0A5C CE46 00000000° EF 01 1C AE 0A5B CE46 0718 02 18 AE 40 2B 28 AE 50 0B A7 59 50 22 58	005DD C0 005E1 D0 005E4 D6 005E7 D6 005E7 D6 005E9 D6 005F3 INCL LINE SIZE F1 005F5 54\$: ACBL 28(SP), #1, J, 49\$ 90 005FC MOVB #44, BUFFER-1(SIZE) BRW 126\$ 91 00605 BRW 126\$ 91 00605 BRW 126\$ 91 00605 BRW 126\$ 91 00605 BRW 126\$ 92 00606 BNEQ 58\$	1043 1060 1037 1066 1067

SYSACLSRV VO4-000		SFORMAT_ACL	system ser	rvice			M 16 16-Sep-1984 01:51:51 VAX-11 Bliss-32 V4.0-742 14-Sep-1984 12:40:53 [LOADSS.SRC]SYSACLSRV.B32;1	Page 56 (5)
		OASC CE46		BE 50 56 6E	14	OF 5B BC 50	15 0061A 28 0061C 3C 00624 C0 00628 2C 0062B 56\$: BLEQ 56\$ MOVC3 TERM LENGTH, aTERM_POINTER, BUFFER[SIZE] ADDL2 RO, SIZE RO, SIZE WOVC5 WO, (SP), W32, INDENT, BUFFER[SIZE]	
	5A	20			0A5C	CE46	00630	
		OASC CE46	00000000.	57 57 EF 56	18	OB OB OB AE	CO 00634 DO 00637 MOVL INDENT, SIZE INDENT, LINE SIZE  O 0063A 57\$: ADDL2 #11, LINE SIZE  ADDL2 #11, LINE SIZE  MOVC3 #11, P.ADC, BUFFER[SIZE]  O 0064B ADDL2 #11, SIZE  O 0064B 58\$: CMPB 24(SP), #3  12 0064F BNEQ 61\$ E9 0C551 BLBC 40(SP), 60\$	1068
				2B 50 59	28 08	40 AE A7 50 22 5B	9E 00655 MOVAB 11(R7), R0 D1 00659 CMPL RO, WIDTH 1B 0065C BLEQU 60\$ D5 0065E TSTL TERM_LENGTH	1069
	5A	0A5C CE46 20		BE 50 56 6E	14	0F 5B BC 50	15 00660 28 00662 3C 0066A CO 0066E 2C 00671 59\$:  BLEQ 59\$ MOVC3 TERM LENGTH, aTERM_POINTER, BUFFER[SIZE] ADDL2 RO, SIZE MOVC5 WO, (SP), W32, INDENT, BUFFER[SIZE]	1
		OASC CE46	00000000.	56 57 57 EF 56 04	18	05B5006AAABBBE000A4AA52505B5006AAABBBE00A4AA52505B50455000A4AA52505B50455000A4AA5	CO 0067A ADDL2 INDENT, SIZE DO 0067D MOVL INDENT, LINE SIZE CO 00680 60\$: ADDL2 #11, LINE SIZE 28 00683 MOVC3 #11, P.ADM, BUFFER[SIZE] CO 0068E ADDL2 #11, SIZE 91 00691 61\$: CMPB 24(SP), #4	1070
				2B 50 59	28 0B		DI UUDYF LMPL KU, WIDIM	1071
		OASC CE46	08	BE 50 56 6E	14	22 5B 0F 5B BC 50	1B 006A2 D5 006A4 TSTL TERM_LENGTH 15 006A6 BLEQ 62\$ 28 006A8 MOVC3 TERM LENGTH, aTERM_POINTER, BUFFER[SIZE] 3C 006B0 MOVZWL aTERM_DESC, RO CO 006B4 ADDL2 RO, SIZE 2C 006B7 62\$: MOVC5 #0, (SP), #32, INDENT, BUFFER[SIZE]	1
	5A	20			0A5C	CE46	CO COACO ADDI 2 INDENT CITE	
		OASC CE46	00000000	56 57 57 EF 56 31 50 59	0A5C	5A 0B 0B 0B AE CD A047	DO 006C3 CO 006C6 63\$: ADDL2 #11, LINE SIZE 28 006C9 MOVC3 #11, P.ADN, BUFFER[SIZE] CO 006D4 ADDL2 #11, SIZE E9 006D7 64\$: BLBC 40(SP), 66\$	1072
		OASC CE46	08	BE 50 56	14	A047 50 22 5B 0F 5B BC 50	DS 006EA TSTL TERM_LENGTH 15 006EC BLEQ 65\$ 28 006EE MOVC3 TERM LENGTH, ATERM_POINTER, BUFFER[SIZE] 3C 006F6 MOVZWL ATERM_DESC, RO CO 006FA ADDL2 RO, SIZE	

SYSACLSRV VO4-000		\$FORMAT	_ACL	system se	rvice				15	Sep- Sep-	1984 01:51 1984 12:40	:51 VAX-11 Bliss-32 V4.0-742 Page :53 [LOADSS.SRC]SYSACLSRV.B32;1	57
	5A		20		6E	0A5C	00 CE46	20	006FD 00702	65\$:	MOVC5	#0, (SP), #32, INDENT, BUFFER[SIZE]	
		0A5C	CE46	FF04	567 578 557 550 568 559	FF00 FC FC 28 01	5A 5A	COD 9AE 9E	00706 00709 00700	66\$:	ADDL2 MOVZBL MOVAB MOVAB MOVAB MOVAB BLBC MOVAB CMPL BLEQ MOVZBL ADDL2 MOVZWL ADDL2 MOVC5	INDENT, SIZE INDENT, LINE_SIZE LOCAL_ACE, R8 -4(R8)[LINE_SIZE], LINE_SIZE -4(R8), R0 R0, LOCAL_ACE+4, BUFFER[SIZE] -4(R8)[SIZE], SIZE 40(SP), 68\$ 1(R7), R0 R0, WIDTH 68\$	1073 1075 1076 1077
		0 <b>A</b> 5C		08	BE 50 56	14	5B 5B 5B 50	D5 15 28 30 00	00735 00737 00739 00741 00745		TSTL BLEQ MOVC3 MOVZWL ADDL2	TERM_LENGTH  67\$  TERM_LENGTH, @TERM_POINTER, BUFFER[SIZE]  @TERM_DESC, RO  RO, SIZE  #0, (SP), #32, INDENT, BUFFER[SIZE]	
	5A		20		6E	0A5C	CE46	50	0074D	67\$:		보기를 보는 그렇게 그렇게 되었다면 하는 것이 없는 데 있어. 사람이 없는데 하는데 하는데 없는데 하는데 되었다면 하는데 그렇게 되었다면 하는데	
				0A5C	56 57 CE46	00000000	5A 57	00 06 90	00754	68\$:	ADDL2 MOVL INCL MOVB	INDENT, SIZE INDENT, LINE_SIZE LINE_SIZE P.ADO, BUFFER[SIZE]	
				20 24	AE AE 05	18	0120 01 01	31 90 90 91	00763	69\$:	BRW MOVB MOVB CMPB	80\$	1082 1083 1084
					2B 50 59	28 0E	AE A7 50 22 5B	9E 01 18 05	00774 00778 00770		BRW MOVB MOVB CMPB BNEQ BLBC MOVAB CMPL BLEQU TSTL	40(SP), 71\$ 14(R7), R0 R0, WIDTH 71\$	1085
	5A	0A5C	CE46 20	08	BE 50 56 6E	14	0F 5B BC 50	15 28 30 20	00785 0078D 00791	70\$:	BLEQ MOVC3 MOVZWL ADDL2 MOVC5	TERM_LENGTH  70\$  TERM_LENGTH, aTERM_POINTER, BUFFER[SIZE]  aTERM_DESC, RO  RO, SIZE  #0, (SP), #32, INDENT, BUFFER[SIZE]	
		0A5C		00000000	56 57 57 EF	0A5C	CE 46 5A 0E 0E 0E	CO CO CO CO CO CO CO CO CO CO CO CO CO C	00799 0079D 007A0		ADDL2 MOVL ADDL2 MOVC3	INDENT, SIZE INDENT, LINE SIZE #14, LINE SIZE #14, P.ADP, BUFFER[SIZE] #14, SIZE 24(SP), #6	
					2B 50 59	18 28 0E	AE 40 AE A7 50 22	91 12 99 91 18	007B4 007B8 007BA 007BE 007C2 007C5	72\$:	ADDL2 CMPB BNEQ BLBC MOVAB CMPL BLEQU TSTL	1)3	1086 1087
		0A5C	CE46	08	BE 50 56	14	SB OF SB BC SO	158	007C7 007C9 007CB 007D3 007D7		MOVC3 MOVZWL	TERM_LENGTH 73\$ TERM_LENGTH, aTERM_POINTER, BUFFER[SIZE] aTERM_DESC, RO RO, SIZE #0, (SP), #32, INDENT, BUFFER[SIZE]	
	5A		20		65		óŏ	ŞÇ	007DA	73\$:	MOVC5	MO. (SP), M32, INDENT, BUFFER[SIZE]	

SYSACLSRV				C 1 16-Sep-1984 01:51:51 VAY-11 Blicc-32 V4 0-742	5
v04-000	SFORMAT_ACL	system service	e	16-Sep-1984 01:51:51 VAX-11 Bliss-32 V4.0-742 P 14-Sep-1984 12:40:53 [LOADSS.SRC]SYSACLSRV.B32;1	Page 5
	OASC CE46	56 57 57 57 56 31 50 50	0A5C CE46 5A 5A 0E 0E 0E 0E 0E 0E 0E 0E 0E 0E 0E 0E 0E	007DF C0 007E3 D0 007E6 C0 007E9 C0 007E9 C0 007E9 C0 007E9 C0 007E9 C0 007F7 C0 007F6 C0 007F7 C0 007F6 C0 007	108
5A	0A5C CE46	50 56	22 5B 0F 5B 14 BC 50 00 0A5C CE46	CO 0081D 2C 00820 76\$: MOVC5 #0, (SP), #32, INDENT, BUFFER[SIZE]	
	OASC CE46	56 57 58 57 50 50 56 28 50	5A 5A FF00 CD F8 A847 F8 A8	CO 00829 DO 0082C PA 0082F 77\$: MOVL INDENT, LINE_SIZE INDENT, LINE_SIZE INDENT, LINE_SIZE FOR 0083F PROVIDE HOUSE	108 109 109 109
5A	0A5C CE46	50 56	5B 0F 5B 14 BC 50 00 0A5C CE46	D1 00853 CMPL RO, WIDTH 1B 00856 BLEQU 79\$ D5 00858 TSTL TERM_LENGTH 15 0085A BLEQ 78\$ 28 0085C MOVC3 TERM_LENGTH, aTERM_POINTER, BUFFER[SIZE] 3C 00864 CO 00868 CO 00868 CO 00868 CO 00868 CMPL RO, WIDTH AD COMPLETE RO, WIDTH CO 00858 TSTL TERM_LENGTH CO 00850 MOVC3 TERM_LENGTH, aTERM_POINTER, BUFFER[SIZE] CO 00868 CMPL RO, WIDTH CO 00850 TSTL TERM_LENGTH CO 00850 MOVC3 TERM_LENGTH, aTERM_POINTER, BUFFER[SIZE] CO 00868 CO 00868 CMPL RO, WIDTH CO 00850 CMPL RO	
		56 57 0A5C CE46 2B 50	00000000° EF 56 0492 28 AE	CO 00874 ADDL2 INDENT, SIZE DO 00877 MOVL INDENT, LINE_SIZE D6 0087A 79\$: INCL LINE_SIZE 90 0087C MOVB P.ADR, BUFFER[SIZE] D6 00886 80\$: INCL SIZE 31 00888 RPU 126\$	103
5A	0A5C CE46	08 BE 50 56	13 A7 50 22 5B 0F 5B 14 BC 50 00 0A5C CE46 5A 13	E9 0088B 81\$: BLBC 40(SP), 83\$ 9E 0088F MOVAB 19(R7), R0 D1 00893 CMPL RO, WIDTH 1B 00896 BLEQU 83\$ D5 00898 TSTL TERM_LENGTH 15 0089A BLEQ 82\$ 28 0089C MOVC3 TERM LENGTH, aTERM_POINTER, BUFFER[SIZE] 3C 008A4 MOVZWL aTERM_DESC, RO CO 008A8 2C 008AB 82\$: MOVC5 WO, (SP), W32, INDENT, BUFFER[SIZE] 008B0 CO 008B4 ADDL2 INDENT, SIZE D0 008B7 MOVL INDENT, LINE SIZE CO 008BA 83\$: ADDL2 W19, LINE SIZE 28 008BD MOVC3 W19, P.ADS, BUFFER[SIZE]	

SV .....

SYSACLSRV VO4-000	SFORMAT_AC	. system serv	ice		D 1 16-Sep-1984 14-Sep-1984	01:51:	51 VAX-11 Bliss-32 V4.0-742 P 53 CLOADSS.SRCJSYSACLSRV.B32;1	age 59
0038	002		10 10 AE 00 10 AE 18 0008	CO D4 CF	008C8 008CB 008CE 84\$: 008D3 85\$:	DDL2 LRL ASEL WORD	#19, SIZE  K K, #0, #3  86\$-85\$,-  87\$-85\$,-  88\$-85\$,-  89\$-85\$	1098
		18 04	AE 00000000 EF	D0 9E 11	008DB 86\$: M	OVL OVAB	89\$-85\$ LOCAL_ACE+8, PROT_VALUE P.ADT, PROT_FIELD_DSC 90\$	1104
		18 04	AE 00000000 EF	DO 9E	008EB 87\$: M	RB OVL OVAB	LOCAL_ACE+12, PROT_VALUE P.ADV, PROT_FIELD_DSC 90\$	1101
		18 04	AE 00000000' EF	DO 9E 11 DO 9E 11	008F9 008FB 88\$: M 00901 M	OVL	P.ADX. PROT FIELD DSC	: 1101 : 1112 : 1113
		18 04	AE 00000000' EF	00 9E 04	00909 0090B 89\$: M 00911 M 00919 90\$: C	OVL OVAB	90\$ LOCAL_ACE+20, PROT_VALUE P.ADZ, PROT_FIELD_DSC PROT_IDX	; 1104 ; 1105 ; 1108 ; 1109 ; 1101 ; 1112 ; 1113 ; 1116 ; 1117 ; 1120 ; 1121 ; 1124
			51 00000000 EF40	04 9A 13	0091B C 0091D 91\$: M	LRL LRL OVZBL EQL	PROT_CODE[J], R1	1121
	0	FED8 CD	AE 50 48 51 58 50 1F		00927 B	BS OVB	J, PROT_VALUE, 92\$ R1, PROT_BUF[PROT_IDX]	1127
	E		31 28 AE 50 04 BE 50 57 50 58 59 50 22	E90639C001B56	00945 CI 00946 CI 00949 BI		J, PROT_VALUE, 92\$ R1, PROT_BUF[PROT_IDX] PROT_IDX #31, J, 91\$ 40(SP), 94\$ aPROT_FIELD_DSC, R0 LINE_SIZE, R0 PROT_IDX, R0 R0, WIDTH 94\$ TERM_LENGTH	1127 1128 1121 1131
	OASC CE4	08	0F 5B 50 14 BC 56 50 6E 00 0A5C CE46	28	0094F MI 00957 MI	LEQ CVC3 CVZWL DDL2 OVC5	73\$ TERM_LENGTH, aTERM_POINTER, BUFFER[SIZE] aTERM_DESC, RO RO, SIZE #0, (SP), #32, INDENT, BUFFER[SIZE]	
5A	20		00 0A5C CE46	30	00302			
	0C A	10	57 AE 04 BE 57 10 AE 50 58	CO 3C C1 C3	00967 0096A 0096D 94\$: MI 00972 00977 0097B	DDL2 OVL DDL3 DDL3 UBL3 OVAB DDL3 USHL OVC5	INDENT, SIZE INDENT, LINE_SIZE aPROT_FIELD_DSC, 16(SP) 16(SP), LINE_SIZE, RO PROT_IDX, RO, LINE_SIZE SIZE, #512, 12(SP) BUFFER[SIZE], 20(SP) #4, PROT_FIELD_DSC, -(SP) a(SP)+ 20(SP) a(SP)+ #0 12(SP) a20(SP)	1135
	71		AE 0A5C CE46 AE 04 9E	C1 DD	0098B AI 00990 PI	DVAB DDL3 USHL	BUFFER[SIZE], 20(SP) #4, PROT_FIELD_DSC, -(SP) a(SP)+	: 1136
OC AE	0		9E 14 AE 14 BE 14	2C	00999	0103	95\$	
OC AE	0	14 00 FED8	0A5C CE46 AE 04 9E 14 AE 14 BE 14 BE 10 AE 10	18 C0 C2 20	009A2 SI	GEQ DDL2 UBL2 OVC5	95\$ 16(SP), 20(SP) 16(SP), 12(SP) PROT_IDX, PROT_BUF, #0, 12(SP), @20(SP)	
	5		56 10 AE 50 58	C1	009AF		16(SP), SIZE, RO PROT_IDX, RO, SIZE	1137

SYSACLSRV	,	\$FORMA	T_ACL	system se	rvice				1	5-Sep-1 4-Sep-1	984 01:51 984 12:40	:51 :53	VAX-11 Bliss-32 V4.0-742 [LOADSS.SRC]SYSACLSRV.B32;1	Page 6
					2B 50 59	28 01	AE A7 50 22 58	95 91 18	009BA 009BE 009C2 009C5		BLBC MOVAB CMPL BLEQU TSTL BLEQ MOVC3 MOVZWL ADDL2 MOVC5	40(S 1(R7 R0, 97\$	P), 97\$ '), RO WIDTH	: 113
		0A5C	CE46	08	BE 50 56	14	0F 5B BC 50	15 28 30	009CB 009CB 009D3 009D7		BLEQ MOVC3 MOVZWL	ZAD	LENGTH, aTERM_POINTER, BUFFER[SIZE]  M_DESC, RO  SIZE  (SP), #32, INDENT, BUFFER[SIZE]	
	5A		50		6E	OASC	00 CE46	ŽČ	009DA 009DF	96\$:		<b>#</b> 0.	(SP), #32, INDENT, BUFFER[SIZE]	
				0A5C	56 57 CE46	00000000	5A 5A 57	00 06 90	009E3	97\$:	ADDL2 MOVL INCL MOVB INCL ACBL	INDE INDE LINE P. AE	NT, SIZE NT, LINE_SIZE SIZE 3, BUFFER[SIZE]	
	FEDO	10	AE		01		56	D6 F1	009F5 009F7		INCL	#3.	#1, K, 843	109
					2B 50 59	28 0F	031C AE A7 50 22	31 E9 9E 01	009FE	98\$:	BRW BLBC MOVAB CMPL BLEQU TSTL BLEQ MOVZWL	1265	P), 100\$ (7), R0 WIDTH	109 103 114
	5A	0A5C	CE46 20	08	BE 50 56 6E	14	5B 0F 5B 50 00 CE46	15 28 30 20 20	00A0E 00A10 00A12 00A1A	99\$:	TSTL BLEQ MOVC3 MOVZWL ADDL2 MOVC5	TERM	LENGTH  LENGTH, aTERM_POINTER, BUFFER[SIZE]  M_DESC, RO  SIZE  (SP), #32, INDENT, BUFFER[SIZE]	
		0A5C	CE46	00000000.	56 57 57 EF	OASC	CE46 5A 5A OF OF OF	00	00A2A	100\$:	ADDL2 MOVL ADDL2 MOVC3 ADDL2 MOVC5	INDE	NT, SIZE NT, LINE_SIZE LINE_SIZE P.AEC, BUFFER[SIZE] SIZE (SP), #0, #8, VOLNAM_DESC	
	08		00		6E	0840	00	20	00A41 00A46		MOVES	#0.	(SP), #0, #8, VOLNAM_DESC	114
	12		00		6E	0838	00	50	00A49 00A4E		MOVC5	#0.	(SP), #0, #18, VOLNAM_TEXT	114
	08		00		6E	0830	00	50	00A51 00A56		MOVC5	#0.	(SP), #0, #8, FILENAME_DESC	1140
0200	8F		00		6E	30	OO AF	20	00A59 00A60		MOVC5	#0.	(SP), #0, #512, FILENAME_TEXT	114
	OD	0838	CE	00000000°	EF		05 00	28	00A62 00A6C		MOVC3	#12.	P.AED, VOLNAM_TEXT LOCAL_ACE+4, #0, #13, (R3)	1149
		0838	CE		12		63 00 02	3A	00A74 00A7A		LOCC	#0 101s	#18, VOLNAM_TEXT	115
		084C	CE	0850 0830 0834	50 51 CE CE	0838 0200 30 0830 0834 FF10 0858	STE SE	943 9E 9E 9E 9F 9F 9F	00A7E 00A83 00A89 00A90 00A97 00A9D 00AA1 00AA5	101\$:	CLRL MOVAB SUBW3 MOVAB MOVW MOVAB PUSHAB PUSHAB PUSHAB PUSHAB	VOLN	AM_TEXT, RO R1, VOLNAM DESC AM_TEXT, VOLNAM_DESC+4 , FILENAME_DESC NAME_TEXT, FILENAME_DESC+4 NAME_DESC NAME_DESC L_ACE+16 AM_DESC	1155 1156 1156

SYSACLSRV VO4-000		SFORMAT_ACL	system service	e		1	F 1 6-Sep-1 4-Sep-1	984 01:51 984 12:40	51 VAX-11 Bliss-32 V4.0-742 Pa 53 CLOADSS.SRCJSYSACLSRV.B32;1	ge 61 (5)
			00000000G 00 58 26 50	28 0 0 0 0 0 0	04 50 AE A7 502 5B	FB 00AAD D0 00AB4 E9 00AB7 9E 00ABB D1 00ABF 1B 00AC2 D5 00AC4		CALLS MOVL BLBC MOVAB CMPL BLEQU TSTL BLEQ MOVC3 MOVZWL	#4, LIB\$FID_TO_NAME R0, LOCAL_STATUS 40(SP), 103\$ 15(R7), R0 R0, WIDTH 103\$ TERM_LENGTH	1158
	5A	0A5C CE46 20	08 BE	14	0F 5B BC 50	15 00AC6 28 00AC8 3C 00AD0 CO 00AD4 2C 00AD7	102\$:	MOVES MOVES MOVES MOVES	TERM_LENGTH  102\$  TERM_LENGTH, aTERM_POINTER, BUFFER[SIZE]  aTERM_DESC, RO  RO, SIZE  #0, (SP), #32, INDENT, BUFFER[SIZE]	
		OASC CE46	00000000° EF	0A5C	CE46 5A OF OF	00ADC 00 00AE0 00 00AE3 00 00AE6 28 00AE9 00 00AF4		ADDL2 MOVL ADDL2 MOVC3 ADDL2 BLBS BRW MOVL SUBL3 CMPZV BGEQU MOVZWL	INDENT, SIZE INDENT, LINE_SIZE #15, LINE_SIZE #15, P.AEE, BUFFER[SIZE] #15, SIZE LOCAL_STATUS, 104\$ 117\$	
			03		00E8	E8 00AF7	10/0	BLBS BRW	LOCAL_STATUS, 104\$	1159
	50	0830 SE	18 AE	0834	57 00 05	DO 00AFD C3 00B03 ED 00B07 1E 00B0E	104\$:	SUBL3 CMPZV BGEQU	LINE_SIZE, WIDTH, RO #0, #16, FILENAME_DESC, RO	1164
			1C AE	0830 0830	50 CE 58	3C 00B10 D0 00B15 3C 00B18 D1 00B1E 1E 00B22	105\$: 106\$:	MOVZWL MOVL MOVZWL CMPL BGEQU MOVAB	FILENAME DESC, RO RO, SEGMENT SIZE FILENAME DESC, 28(SP) SEGMENT_SIZE, 28(SP) 110\$	116
			50 51 34		20 A8 23 AE A042	9E 00B24 11 00B28 D0 00B2A 9A 00B2E 91 00B33 13 00B36	107\$:	BRB MOVL MOVZBL	1(R8), J 109\$ SEGMENT_START, R2 -1(J)[R2], R1 R1, #58 108\$	117
			5D 8F		10 51 0A 51	91 00B38 13 00B3C 91 00B3E		LMPB	108\$ R1, #93 108\$ R1, #46 108\$	1174
			36 58		05 51 05 50	13 00841 91 00843 12 00846 00 00848 11 00848	108\$:	BEQL CMPB BEQL CMPB BNEQ MOVL	108\$ R1, #59 109\$ J. SEGMENT_SIZE 110\$	1176 1179 1178
		OASC CE46	18 BE		50 58 58	F5 0084b 28 00850 C0 00858 C0 00858	1095:	SOBGTR MOVC3 ADDL2	J, 107\$ SEGMENT_SIZE, @SEGMENT_START, BUFFER[SIZE] SEGMENT_SIZE, LINE SIZE	1170 1183 1184 1185 1186 1187
			0830 CE 18 AE 1C AE	0830	1E	0085E 00 00863 30 00867 15 00860		ADDL2 ADDL2 SUBW2 ADDL2 MOVZWL BLEQ	FILENAME_DESC, 28(SP)	1186 1187 1188
		OASC CE46	08 BE		5B 0B 5B 5B 00	D5 00B6F	1115:	BLEQ MOVC3 ADDL2	TERM_LENGTH 1118 TERM_LENGTH, aTERM_POINTER, BUFFER[SIZE] TERM_LENGTH, SIZE #0, (SP), #32, INDENT, BUFFER[SIZE]	
	5A	20	66	0A5C	CE46	2C 00B7E 00B83	1115:	MOVC5	#0, (SP), #32, INDENT, BUFFER[SIZE]	

SYSACLSRV V04-000		SFORMAT_ACL	system servic	e			16-Se	1 ep-19 ep-19	84 01:51 84 12:40	:51 :53	VAX-11 Bliss-32 V4.0-742 [LOADSS.SRC]SYSACLSRV.B32;1	Page 62 (5)
		50	56 57 59 10 AE		5A 57 50 04	CO 000 DO 000 D1 000 D0 000 D0 000	0887 088A 088D 117	2\$:	ADDL2 MOVL SUBL3 CMPL BLEQU MOVL	INDENT INDENT LINE S RO 28	SIZE LINE SIZE SIZE, WIDTH, RO	1189
			50 58	1C 1C	5A7 550 650 650 650 650 650 650 650 650 650	DO 00 DO 00 D5 00 15 00	B97 B9B 11: B9E BA1	3\$:	MOVL MOVL TSTL BLEQ BRW	28(SP) RO, SE 28(SP) 114\$	GMENT_SIZE	1191
			2B 50 59	28 01	FF78 AE7 502 58 058 050 000	15 00 31 00 9E 00 01 00 1B 00 05 00	0887 0880 0891 0895 0896 0896 0841 0845 0846 0846 0846 0846 0887 0887 0887 0887	4\$:	BRW BLBC MOVAB CMPL BLEQU TSTL BLEQ MOVC3 MOVZWL	106\$ 40(SP) 1(R7), R0, WI	, 116\$ RO	1192
		OASC CE46	50	14	OF SB BC SO	15 00 28 00 30 00 20 00 20 00	885 887 88F 8C3		BLEQ MOVC3 MOVZWL ADDL2 MOVC5	TERM_L 115\$ TERM_L aTERM_RO, SI	ENGTH, aTERM_POINTER, BUFFER[SIZE] DESC, RO [ZE SP), #32, INDENT, BUFFER[SIZE]	
	5A	20	6E 56 57	OA5C		CO 00	BCB BCF BD2	5\$:			SP), #32, INDENT, BUFFER[SIZE]  , SIZE , LINE_SIZE SIZE , BUFFER[SIZE]	
			OASC CE46	00000000	57 EF 56 76	90 00 96 00 11 00	BD5 116 BD7 BE1 BE3 BE5 117	6\$:	INCL	217F		1159
			0A54 CE 0A58 CE	0200 0854 FF14 FF12 FF10 0A60 0A64 00000000	8E COD COE	D6 00 90 00 11 00 9E 00 DD 00 DD 00 9F 00 9F 00	BES 117 BEC BF3 BF7 BFB BFF	7\$:	MOVW MOVAB PUSHL PUSHL PUSHAB PUSHAB	#512, FAO BU LOCAL LOCAL FAO DE FAO DE	FAO_DESC JF, FAO_DESC+4 ACE+20 ACE+18 ACE+16 SC SC SSFAO 1198 SC, RO DTH	1159 1196 1197 1203
			00000000G 00 2F 50 50 59	00000000 0A54	E578CCCCCCEOAC552505B500	E9 00	CO7 COD C14 C18 C10 C20 C23		MOVW MOVAB PUSHL PUSHL PUSHAB PUSHAB PUSHAB CALLS BLBC MOVZWL ADDL2 CMPL BLEQU TSTL TSTL BLEQU TSTL TSTL TSTL TSTL TSTL TSTL TSTL TST	#6, SY 40(SP) FAO DE LINE S RO DI 1198 TERM_L 1188	SSFAO 1198 SC, RO IZÉ, RO IDTH	1204
		OASC CE46	50 56	14	0F 5B BC 50	28 00 3C 00 CO 00 2C 00	C27 C29 C31 C35		MOVC3 MOVZWL ADDL2	TERM L TERM L TERM RO. SI	ENGTH, aTERM_POINTER, BUFFER[SIZE] DESC, RO ZE SP), #32, INDENT, BUFFER[SIZE]	
	5A	20	56 57	0A5C	CE46 5A 5A	co 00	C3D C41 C44	8\$:		INDENT	, SIZE , LINE_SIZE	
		OASC CE46	0A58 DE	0A54	CE 58 58 AE A7 50	3C 00 C0 00 28 00 C0 00 E9 00 PE 00 D1 00	1047 119 1040 1046 1058	9\$:	MOVZWL ADDL2 MOVC3 ADDL2 BLBC MOVAB	R8, OF R8, SI	SIZE LINE_SIZE SC, R8 NE_SIZE AO_DESC+4, BUFFER[SIZE] ZE , 122\$	1205 1206 1208
			0A58 DE 56 28 50 59	28 16	AE A7 50	9E 00 D1 00	C5B 120 C5F C63	0\$:	BLBC MOVAB CMPL	40(SP) 22(R7) RO, WI	. 122\$ . RO . DTH	1208

SYSACLSRV VO4-000		SFORMAT	_ACL	system serv	vice				12	1 -Sep-1 -Sep-1	984 01:51 984 12:40	:51	VAX-11 Bliss-32 V4.0-742 [LOADSS.SRC]SYSACLSRV.B32;1	Page 6
	5A	0A5C	CE46 20	08	BE 556	14 0A5C	22 5B 05B 000 000	185 128 300 200 200 200	00C6A 00C6C 00C74 00C78 00C7B	121\$:	BLEQU TSTL BLEQ MOVC3 MOVZWL ADDL2 MOVC5	122\$ TERM 121\$ TERM aTER RO,	_LENGTH  LENGTH, aTERM_POINTER, BUFFER[SIZE]  M_DESC, RO  SIZE (SP), #32, INDENT, BUFFER[SIZE]	
		OASC	CE46		5577F66EE 00E0 25059	0200 0854 FF18 0A58 0A5C 00000000° 0854 0A54 0A58 28 0A54	5A 16 16	CDC2800EFFFFFFB012769C01B55	00C80 00C87 00C87 00C88 00C88 00C68	122\$:		INDE: , , , 2	NT. SIZE NT. LINE SIZE LINE SIZE P.AEI, BUFFER[SIZE] SIZE FAO DESC BUF, FAO DESC+4 LACE+24 DESC DESC J SYSSFAO FAO BUF+11 BUF. #32 DESC DESC+4 P). 125\$ DESC, RO SIZE, RO GIDTH LENGTH	120 121 121 121 121 121 122 122
	5A	0A5C	20		BE 556 567 557 557	0A5C 0A54	CE46 5A	158 300 20 000 300	00CFF 00D03 00D06	124 <b>\$</b> :	MOVC3 MOVZWL ADDL2 MOVC5 ADDL2 MOVL MOVZWL	TERM TERI RO. WO.	LENGTH, aTERM_POINTER, BUFFER[SIZE] M_DESC, RO SIZE (SP), #32, INDENT, BUFFER[SIZE]	
		0A5C	CE46	0A58	57 55 55 55 55 55 55 55 55 55 55 55 55 5	FF02 24 28 08	CE8888 DE3836 A 502 B F B C 6 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	3C2CBE8B13E9D1B558C	00D09 00D0E 00D11 00D1A 00D1D 00D22 00D26 00D29 00D2B 00D30 00D34 00D38	126\$: 127\$: 128\$:	BNEQ BRW BLBC MOVAR	128\$ 146\$ 40(\$! 8(R7 R0 130\$	P), 130\$ ), RO WIDTH	122 122 129 129 129 129
		0A5C	CE46	08	BE 50	14	SB OF SB BC	15 28 30	0003B 0003D 0003F 00041 00049		CMPL BLEQU TSTL BLEQ MOVC3 MOVZWL	129\$	LENGTH, aTERM_POINTER, BUFFER[SIZE] M_DESC, RO	

SYSACLSRV V04-000	SFORMAT_ACL	system service		I 1 16-Sep-1984 01:51:51 VAX-11 Bliss-32 V4.0-742 14-Sep-1984 12:40:53 [LOADSS.SRC]SYSACLSRV.B32;1	Page 64 (5)
5A	20	56 6E	50 00 0A5C CE46	CO 00D4D 2C 00D50 129\$: MOVC5 #0, (SP), #32, INDENT, BUFFER[SIZE]	
	0A5C CE46 40	00000000° EF 56 58 28 50 59	28 08 AF 022 5B 0F 5B 00 00 00 00 00 00 00 00 00 00 00 00 00	CO 00D59 DO 00D5C MOVL INDENT, SIZE INDENT, LINE_SIZE INDENT, LINE_SIZE INDENT, LINE_SIZE WOVC3 #8, LINE_SIZE WOVC3 #8, P.AFA, BUFFER[SIZE] ADDL2 #8, SIZE E5 00D70 BBCC #8, FLAGS, 133\$ E9 00D74 BLBC 40(SP), 132\$ 9E 00D78 MOVAB 8(R7), R0 D1 00D7C CMPL R0, WIDTH BB 00D7F BLEQU 132\$	1300 1301
5A	0A5C CE46 20	08 BE 50 56 6E		D5 00D81	
	0A5C CE46 40	00000000° EF 56 58 28 50 59	0A5C CE46 5A 08 08 08 08 0A 28 AE 07 A7 50 22 5B 0F 5B 000	00D99 C0 00D90 D0 00DA0 C0 00DA0 C0 00DA3 132\$: ADDL2	1302 1303
5A	0A5C CE46 20	08 BE 50 56 6E	0F 5B 14 BC 50 00 0A5C CE46	0000	
	0A5C CE46 40	00000000° EF 56 58 28 50 59	5A 5A 07 07 07 09 28 AE 0A A7 50 22 5B 0F 5B 00 14 BC	28 00DC7 3C 00DD1 CO 00DD5 CO 00DD5 CO 00DD5 CO 00DD8 134\$: MOVC5	1304 1305
5A	0A5C CE46 20	08 BE 50 56 6E 56 57 57	58 0F 58 14 BC 50 00 0A5C CE46	D5 00E09 15 00E09 15 00E08 28 00E0D 3C 00E15 C0 00E15 C0 00E19 2C 00E1C 137\$: MOVC5 W0, (SP), W32, INDENT, BUFFER[SIZE] C0 00E25 D0 00E28 C0 00E28 C0 00E28 138\$: ADDL2 INDENT, LINE SIZE C0 00E2B 138\$: ADDL2 W10, LINE_SIZE	

SYSACLSRV VO4-000		\$FORMAT	_ACL	system serv	ice				16	-Sep-19	984 01:51 984 12:40	1:51 VAX-11 Bliss-32 V4.0-742 P. 1:53 [LOADSS.SRC]SYSACLSRV.B32;1	age (5)
		OASC	CE46 40	00000000	EF 558 250 59	28	0A 0B AE A7 502 5B	28 00 E59 00 180 00 180 00	00E2E 00E39 00E30 00E40 00E44 00E48 00E4B	139\$:	MOVC3 ADDL2 BBCC BLBC MOVAB CMPL BLEQU TSTL BLEQ MOVC3 MOVZWL ADDL2 MOVC5	#10, P.AFD, BUFFER[SIZE] #10, SIZE #11, FLAGS, 142\$ 40(\$P), 141\$ 12(R7), R0 R0, WIDTH 141\$ TERM LENGTH	1306
	5A	0A5C	CE46 20	08	BE 50 56 6E	14	5B BC 50	CO	00E4F 00E51 00E59 00E5D	140\$:	BLEQ MOVC3 MOVZWL ADDL2 MOVC5	TERM_LENGTH 140\$ TERM_LENGTH, aTERM_POINTER, BUFFER[SIZE] aTERM_DESC, RO RO, SIZE #0, (SP), #32, INDENT, BUFFER[SIZE]	
		0A5C	CE46	00000000	56 57 57 EF 56	UASC	CE46 5A 0C 0C 58 5C	28 0	00E69 00E6C 00E6F 00E72 00E7D	141\$: 142\$:		INDENT, SIZE INDENT, LINE SIZE #12. LINE SIZE #12. P.AFE, BUFFER[SIZE] #12. SIZE FLAGS 145\$	1308
					2B 50 59	28 07	5C AE A7 502 5B 65B 850	13 C	00E82 00E84 00E88 00E8C 00E8F		ADDL2 MOVL3 ADDL2 TSTW BEGL BLBC MOVAB CMPL BLEQU TSTL BLEQ MOVZWL	145\$ 40(SP), 144\$ 7(R7), R0 R0, WIDTH 144\$ TERM_LENGTH 143\$	1311
	5A	0A5C	CE46 20	08	BE 50 56 6E	14	00	20 0	MEAD	143\$:	MOVC5	TERM LENGTH, aTERM_POINTER, BUFFER[SIZE] aTERM_DESC, RO RO, SIZE #0, (SP), #32, INDENT, BUFFER[SIZE]	
				FEF8 FEFC	56 57 57 CD CD 7E		CE 46 5A 07 07 CE 46 5D CD EF	CO 00 00 00 00 00 00 00 00 00 00 00 00 00	OCEAD OCEBO OCEBO OCEBO OCECA OCECA OCECA OCECA OCECA OCECA OCECA OCECA OCECA OCECA OCECA OCECA OCECA	144\$:	ADDL2 MOVL ADDL2 MOVAB MOVZWL PUSHAB PUSHAB PUSHAB CALLS ADDL2 BRB MOVB BLBS BRW TSTL	INDENT, SIZE INDENT, LINE SIZE W7, LINE SIZE W7, FAO DESCR BUFFER[SIZE], FAO DESCR+4 FLAGS, -(SP) FAO DESCR FAO DESCR P.AFF W4, SYS\$FAO W7, SIZE 146\$ W44, BUFFER-1[SIZE] ACCESS_MASK, 147\$ 171\$ LOCAL ACE+4	1312 1313 1317
				00000000G 0A5B CE	56	20	06			145\$: 146\$:	CALLS ADDL2 BRB MOVB BLBS	#4, SYS\$FAO #7, SIZE 146\$ #44, BUFFER-1[SIZE] ACCESS_MASK, 147\$	1318 1308 1320 1325
					03	FF04 24	01D6 CD 12 0189 CD	D5 0 12 0 18 0 31 0	OEF1	147\$: 148\$: 149\$:	TSTL BNEQ BLBS BRW	150\$ AUDIT_MASK, 149\$	1328
			F2	FF02	06 CD 2B 50 59	28 07	01 AE A7 50 22	E8 0 E9 0 9E 0 D1 0	00EFF 00F05 00F09	150\$:	BNEQ BLBS BRW BLBS BBC BLBC MOVAB CMPL BLEQU	LOCAL ACE+2, 150\$ #1, LOCAL ACE+2, 148\$ 40(SP), 152\$ 7(R7), R0 R0, WIDTH 152\$	1330 1331 1334

SYSACLSRV V04-000		SFORMAT_ACL	system servic		K 1 16-Sep-1984 01:51:51 VAX-11 Bliss-32 V4.0-742 14-Sep-1984 12:40:53 [LOADSS.SRC]SYSACLSRV.B32;1	Page 66
	5A	0A5C CE46	50 56	0A5C CE46 5A 07 07 07 07 07 07 07 07 07 07 07 07 07	D5 00F12 15 00F14 28 00F16 3C 00F1E C0 00F22 2C 00F25 151\$: TERM_LENGTH, aTERM_POINTER, BUFFER[SIZE] MOVZWL aTERM_DESC, RO ADDL2 RO, SIZE RO, SIZE WOVC5 #0, (SP), #32, INDENT, BUFFER[SIZE]	
	,,		56 57 57 00000000 EF 56	0A5C CE46 5A 5A 07 07	CO OOFZE ADDL2 INDENT, SIZE	
		03	FFO4 CD	07 58 58 0099	CO 00F42 ADDL2 #7, SIZE D4 00F45 CLRL J E0 00F47 153\$: BBS J, LOCAL_ACE+4, 154\$ 31 00F40 BRW 160\$	1335
		96		6048	31 00F4D BRW 160\$ D0 00F50 154\$: MOVL BIT_NAME_TABLE, R0 13 00F57 BEQL 156\$ 7F 00F59 PUSHAQ (R0)[J] 0C 00F5C PROBER #0, #8, a(SP)+ 13 00F60 BEQL 155\$	1341
		54	1C AE 1C AE 50 51	10 8E 000000000 00	7E 00F60 BEQL 155% 7E 00F62 MOVAQ (R0)[J], BIT_NAME_DESC C1 00F67 ADDL3 #4, BIT_NAME_DESC, R4 D0 00F6C MOVL (R4), R0 3C 00F6F MOVZWL aBIT_NAME_DESC, R1 D4 00F73 CLRL R3	1345 1347
			1C AE 30 50 59	00000000°EF48 28 AE 10 BE 01 A047	E8 00F7B 31 00F7E 155\$: BRW 172\$ D0 00F81 156\$: MOVL DEFAULT_BITS[J], BIT_NAME_DESC E9 00F8A 157\$: BLBC 40(SP), 159\$ 3C 00F8E MOVZWL aBIT_NAME_DESC, RO 9E 00F92 MOVAB 1(RO)[LINE_SIZE], RO D1 00F97 CMPL RO, WIDTH 1B 00F9A BLEQU 159\$ D5 00F9C TSTL TERM LENGTH	1349 1351 1352
	5A	0A5C CE46	50 56	14 BC 50	3C OOFAC MOVZWL aTERM_DESC, RO CO OOFAC ADDL2 RO, SIZE 2C OOFAF 158\$: MOVC5 #0. (SP), #32, INDENT, BUFFER[SIZE]	
		50	56 57 20 AE 20 AE 57	0A5C CE46 5A 5A 1C BE 01 50	CO OOFB8 DO OOFBB MOVL INDENT, SIZE INDENT, LINE SIZE SC OOFBE 159\$: MOVZWL ABIT_NAME_DESC, 32(SP) C1 OOFC3 ADDL3 #1, 32(SP), RO	
		0A5C CE46	1C AE	24 AE 20 AE 20 AE	C1 OOFCB	1354
,	F58	58	01 03 40 28	01 A0 1F 24 AE 00CD FF02 CD 28 AE	CO OOFC8 C1 OOFCB C1 OOFCB ADDL3 M4, BIT_NAME_DESC, -(SP) DD OOFDO PUSHL A(SP)+ 28 OOFD2 MOVC3 ADDL3 M4, BIT_NAME_DESC, -(SP) ADDL3 M4, BIT_NAME_DESC, -(SP) ADDL3 M6(SP)+ BUFFER[SIZE] MOVC3 MO	1356 1335 1359 1362

SYSACLSRV VO4-000	SFORMAT	_ACL	system serv	ice		16-Sep-1984 01:51:51 VAX-11 Bliss-32 V4.0-742 14-Sep-1984 12:40:53 [LOADSS.SRC]SYSACLSRV.B32;1	Page 6
	0A5C		08	50 08 59 BE 50 14	A7025BF B50	9E 00FFF 01 01003	
5A		20 CE46 B2	00000000° FF02	6E OASC 56 57 57 57 EF 56 CD 2B 28 50 59	00 546 558 08 08 01 AE 750	CO 01024 DO 01027 CO 0102A 164\$: ADDL2 INDENT, SIZE CO 0102A 164\$: ADDL2 #8, LINE_SIZE 28 0102D MOVC3 #8, P.AFI, BUFFER[SIZE] CO 01038 E1 0103B 165\$: BBC #1, LOCAL_ACE+2, 161\$ E9 01041 BLBC 40(SP), 167\$ PE 01045 D1 01049 CMPL RO, WIDTH	136
5A	OASC	CE46 20		BE 50 14 56 6E 0A5C	5B 0F 5B BC 50 00 CE46	20 01061 1668: MOVC5 WO, (SP), W32, INDENT, BUFFER[SIZE]	
	OA5C	CE46	00000000	56 57 57 EF 56 28 28 50 00	5A 08 08 08 4E 750	F9 01083 1688: RIRC 40(SP) 1708	132 136
5A	0A5C	CE46 20	08	BE 50 14 56 6E 0A5C	50 22 58 05 85 00 64	15 01090 15 01090 15 01092 28 01094 3C 0109C CO 010A0 2C 010A3 1698:  MOVZWL ATERM_DESC, RO ADDL2 RO, SIZE 2C 010A3 1698: MOVC5 MOVC	
	OASC OC	CE46 BC 54	00000000° 0A5B CE 0C	56 57 57 EF 56	55AACCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	CO 010AC	137 137 137

SYSACLSRV V04-000	SFORMAT_ACL	system se	rvice				16 14	1 -Sep-19 -Sep-19	84 01:51 84 12:40	1:51 VAX-11 Bliss-32 V4.0-742 0:53 [LOADSS.SRC]SYSACLSRV.B32;1	Page (
6E	57 00	OC OASC	1E AC CE		50 04 56	E9 C1 2C	010E3 010E6 010EB		BLBC ADDL3 MOVC5	RO, 172\$ #4, ACL STRING, R7 SIZE, BOFFER, #0, ACL_STRING_LEN, a(R7	)+   13
			50	08	AC OF	DO	010F3		MOVL	ACL LENGTH, RO	: 13
	60		04			00	010F9		PROBEW	#0, #4, (RO)	: 13
			60		00 05 56 00	00	010FF		WOAL	#0, #4, (R0) 172\$ SIZE, (R0) 173\$ #12, R0	: 13
			50		00	00	01104	172\$:	WOAL	#12, RO	:
			6E		56	01	01108	173\$:	CMPL	SIZE, ACL_STRING_LEN	: 13
			50	0601	56 06 8F	30	0110B 0110D	1745:	MOVL BEQL PROBEW BEQL MOVL BRB MOVL RET CMPL BLEQ MOVZWL RET	SIZE, ACL_STRING_LEN 175\$ #1537, RO	: 13
			50		01	04 04	01113 01116	175\$:	MOVL RET	#1, R0	13

; Routine Size: 4375 bytes, Routine Base: \$CODE\$ + 0201

```
SYSACLSRV
VO4-000
                                                                                                                                                                    16-Sep-1984 01:51:51
14-Sep-1984 12:40:53
                                                                                                                                                                                                                                  VAX-11 Bliss-32 V4.0-742 ELOADSS.SRCJSYSACLSRV.B32;1
                                                                                                                                                                                                                                                                                                                               Page
                                         $CHANGE_ACL system service
    1452
1453
1455
1455
1455
1465
1466
1466
1466
1468
                                         14489
14450
14450
14455
14455
14456
14459
1460
                                                             MAP
                                                                                 CHANNEL
OBJECT NAME
ITEM_LIST
                                                                                                                          : WORD,
: REF $BBLOCK,
: REF BLOCKVECTOR [, ITM$S_ITEM, BYTE];
                                                            LOCAL
                                                                                  STATUS,
                                                                                                                                                                                              Local routine return status
                                                                                                                                                                                               Temp status, may overwrite STATUS
                                                                                                                            : $BBLOCK [4].
                                                                                                                                                                                              Local copy of PSL
                                                                                 LOCAL_OBJTYP,
LOCAL_IOSB
LOCAL_LOCKID,
OBJECT_DESC
SHARE
                                                                                                                                                                                              Local copy of object type code
Local copy of the I/O status block
                                                                                                                           : VECTOR [4, WORD],
                                                                                                                                                                                              Local copy of the lock-id
                                                                                                                           : VECTOR [2],
                                                                                                                                                                                              Descriptor of object name
                                                                                                                                                                                            Whether to allow sharing or not Number of items in the list Code from item list entry Size from item list entry Buffer addr from item list entry Local copy of user's channel Object's channel Object file's FAB Object file's NAMe block
                                                                                SHARE
ITEM_COUNT,
ITEM_CODE,
ITEM_SIZE,
ITEM_ADDR,
LOCAL_CHANNEL
IO_CHANNEL
FILE_FAB
FILE_NAM
FILE_EXP_NAME
FILE_EXP_NAME
FILE_FIB_DESC
FILE_FIB
DVI_ATR_LIST
ACP_ATR_PTR,
ACP_ATR_LIST
ACP_ATR_TAB
                                                                                                                           : BYTE,
                                          1461
1462
1463
1464
1465
1466
1467
     1470
1471
1472
1473
1474
1475
1476
1477
                                                                                                                                WORD .
                                                                                                                                WORD,
                                                                                                                          $FAB_DECL,
$NAM_DECL,
$BBLOCK [NAM$C_MAXRSS],
$BBLOCK [NAM$C_MAXRSS],
$BBLOCK [DSC$C_S_BLN],
$BBLOCK [DSC$C_S_BLN],
$BBLOCK [FIB$C_LENGTH],
$BBLOCK [FIB$C_LENGTH],
$Pointer into ACP attribute list
$Pointer into ACP attribute list
$ATR$C to ACL$C xlate
                                                                                                                               SFAB_DECL.
                                         1469
1470
1471
1472
1473
1474
1475
1476
                                                                                                                                                                                                                  Resultant name storage

File FIB descriptor

File FIB storage

:], ! $GETDVI item list
     1478
     1480
1481
1482
1483
1484
1486
1487
1488
1490
1491
                                                                                                                                                       ATRSC_ADDACLENT,
ATRSC_DELACLENT,
ATRSC_MODACLENT,
ATRSC_FNDACLENT,
ATRSC_FNDACETYP,
ATRSC_DELETEACL,
ATRSC_READACL,
ATRSC_ACLLENGTH,
ATRSC_READACE),
                                         1480
                                         1481
1482
1483
                                         1484
1485
                                         1486
1487
                                                                                                                                                                                              QIOW function code
                                                                                 FUNCTION_CODE,
     1493
                                                                                                                                                                                              Also, ACL dispatch code
    1494
1495
1496
1497
                                         1489
1491
1492
1493
1494
1495
1496
1497
1501
1502
1503
                                                                                                                           : VECTOR [5];
                                                                                                                                                                                             $CMKRNL arg list
                                                                                 CMK_ARG_LIST
                                                             ! See if an access mode parameter was given.
                                                            CHANGE_ACMODE = 0;
IF .ACCESS_MODE NEQA 0
THEN IF PROBER (%REF (0), %REF (4), .ACCESS_MODE)
THEN CHANGE_ACMODE = ..ACCESS_MODE
ELSE RETURN SS$_ACCVIO;
     1498
     1499
     1500
1501
1502
1503
1504
1505
1506
1507
                                                             MOVPSL (PSL);
CALL_ACMODE = .PSL[PSL$V_PRVMOD];
                                                             CHANGE_ACMODE = MAXU (.CHANGE_ACMODE, .CALL_ACMODE);
```

! Determine the validity of the access mode parameter.

1508

```
SY
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Page

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16-Sep-1984 01:51:51
14-Sep-1984 12:40:53
SYSACLSRV
VO4-000
                                                                                                                                                         VAX-11 Bliss-32 V4.0-742 
LLOADSS.SRCJSYSACLSRV.B32;1
                            $CHANGE_ACL system service
  IF . CHANGE_ACMODE GTRU PSL$C_USER THEN RETURN SS$_BADPARAM;
                                         ! Get the supplied channel, if any, and verify it.
                                        IO_CHANNEL = LOCAL_CHANNEL = .CHANNEL;
IF .IO_CHANNEL NEQ 0
THEN_
                                                 STATUS = IOC$VERIFYCHAN (.IO_CHANNEL);
IF NOT .STATUS THEN RETURN .STATUS;
                                         ! Get the object type code.
                                        IF .OBJECT_TYPE NEQA O
THEN (IF PROBER (%REF (0), %REF (4), .OBJECT_TYPE)
THEN LOCAL OBJTYP = .OBJECT_TYPE
ELSE RETURN SS$_ACCVIO)
                                      ELSE RETURN SS$_INSFARG;
                                         ! Check the validity of the object type code.
                                      2 IF .LOCAL_OBJTYP LSSU MIN_OBJECT_TYPE
2 OR .LOCAL_OBJTYP GTRU MAX_OBJECT_TYPE
2 THEN RETURN SS$_BADPARAM;
                                     ? ! Probe the object name if supplied.

2 IF .OBJECT_NAME NEQA 0

2 THEN

3 BEGIN
                                                BEGIN
                                                IF NOT PROBER (%REF (0), %REF (DSC$C_S_BLN), .OBJECT_NAME)
THEN RETURN SS$_ACCVIO;
OBJECT_DESC[0] = .OBJECT_NAME[DSC$W_LENGTH];
OBJECT_DESC[1] = .OBJECT_NAME[DSC$A_POINTER];
IF NOT EXE$PROBER (0, .OBJECT_DESC[0], .OBJECT_DESC[1])
                                     3
3
2
ELSE
                                                 THEN RETURN SS$_ACCVIO;
                                                END
                                                 BEGIN
                                                OBJECT_DESC[0] = 0;
OBJECT_DESC[1] = 0;
                                         ! Get any value supplied for the context parameter.
                                     2 ACL_CONTEXT = 0;
2 IF .CONTEXT NEQA 0
2 THEN IF PROBEW (**REF (0), **REF (4), .CONTEXT)
THEN ACL_CONTEXT = ...CONTEXT
2 THEN ACL_CONTEXT = ...CONTEXT
                                         ! Count the number of items in the item list.
                                      2 SHARE = 1:
2 INCR J FROM 0
                                                                                                                             ! Assume shared access
```

```
SY
```

```
16-Sep-1984 01:51:51
14-Sep-1984 12:40:53
SYSACLSRV
VO4-000
                                                                                                                                                                    VAX-11 Bliss-32 V4.0-742 
CLOADSS.SRCJSYSACLSRV.B32:1
                                                                                                                                                                                                                                       Page
                             $CHANGE_ACL system service
                                            DO IF PROBER (%REF (0), %REF (ITM$S_ITEM), ITEM_LIST[.J, 0,0,0,0])
THEN (IF .ITEM_LIST[.J, ITM$W_BUFSIZ] EQL 0
   15667
15668
15668
15671
15773
15778
15883
15889
15993
15967
1597
1597
1597
1597
                             THEN
                                                                     ITEM COUNT = .J;
EXITEOOP;
                                                                     END
                                                             ELSE
                                                                     BEGIN
                                                                    IF .ITEM_LIST[.J, ITM$w_ITMCOD] EQL ACL$C_ADDACLENT
OR .ITEM_LIST[.J, ITM$w_ITMCOD] EQL ACL$C_DELACLENT
OR .ITEM_LIST[.J, ITM$w_ITMCOD] EQL ACL$C_MODACLENT
OR .ITEM_LIST[.J, ITM$w_ITMCOD] EQL ACL$C_DELETEACL
THEN SHARE = 0;
                                                                     END)
                                                  ELSE RETURN SS$_ACCVIO;
                                            ! Initialize all common (to both types of objects) storage.
                                            CH$FILL (0, 2*ITM$S_ITEM, DVI_ATR_LIST);
CH$FILL (0, DSC$C_S_BLN, LOCK_RESNAM);
LOCAL_LOCKID = 0;
                                            ! Set up the lock resource name prefix.
                                            LOCK_RESNAM[DSC$W_LENGTH] = RSN_S_PREFIX;

LOCK_RESNAM[DSC$A_POINTER] = RESNAM_TEXT;

CH$COPY (.$BBLOCK_[.LOCK_PREFIX[.LOCAL_OBJTYP], DSC$W_LENGTH],

.$BBLOCK_[.LOCK_PREFIX[.LOCAL_OBJTYP], DSC$A_POINTER],
                                                             RSN_S_PREFIX, RESNAM_TEXT);
                             1592
                                        2 ! If the call is from user mode, take out a lock to form the parent lock ID 2 ! for all ACL locks. This facilitates releasing them at image rundown.
   1598
                             1594
1595
1596
1597
1598
1599
1600
   1599
    1600
    1601
                                            IF .CALL_ACMODE EQL PSLSC_USER
    1602
                                            THEN
    1603
                                                    IF .PARENT_ID EQL 0
    1604
                                                    THEN
    1605
                                                           BEGIN
                              1601
    1606
                                                            STATUS = $CMKRNL (ROUTIN = GET_PARENT_LOCK);
                              1602
    1607
                                                            IF NOT .STATUS THEN RETURN .STATUS;
    1608
                              1604
1605
1606
1607
    1609
    1610
                                               Do any initial setup for the object. For files, this means opening the specified file if it is not already open. For devices, this means assigning a channel is one is not already assigned. For most other objects, nothing
   1611
   1612
1613
1614
1615
                              1608
                                                special is needed.
                              1609
1610
1611
1612
1613
1614
1615
1616
                                            CASE .LOCAL_OBJTYP FROM MIN_OBJECT_TYPE TO MAX_OBJECT_TYPE OF
   1616
1617
1618
1619
1620
1621
                                            SET
                                                    [ACL$C_FILE]:
                                            ! Initialize storage.
   1622
                                                           CH$FILL (O, FIB$C_LENGTH, FILE_FIB);
```

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E 2
16-Sep-1984 01:51:51
14-Sep-1984 12:40:53
SYSACLSRV
VO4-000
                                                                                                                                                             VAX-11 Bliss-32 V4.0-742 
[LOADSS.SRC]SYSACLSRV.B32;1
                                                                                                                                                                                                                                       (6)
                                                                                                                                                                                                                              Page
                            $CHANGE_ACL system service
                                                         CH$fill (0, DSC$C S BLN, file fib DESC);

file fib DESC[DSC$W LENGTH] = fib$C LENGTH;

file fib DESC[DSC$A POINTER] = file fib;

file fib[fib$b_AGENT_MODE] = .CHANGE_ACMODE;
162267
162267
162267
1662289
166333345
1663339
166445
166447
166449
16655
16657
16657
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16657
                           ! If the file is not accessed, do it now.
                                                         IF . IO_CHANNEL EQL 0
                                                         THEN
                                                               BEGIN

$FAB_INIT (FAB = FILE_FAB,

FNS = .OBJECT_DESC[0],

FNA = .OBJECT_DESC[1],
                         P
                         P
                         P
                                                                                    FOP = UFO,
NAM = FILE_NAM);
                                                                SNAM_INIT (NAM = FILE_NAM);

ESA = FILE_EXP_NAME,

ESS = NAMSC_MAXRSS,

RSA = FILE_RES_NAME,

RSS = NAMSC_MAXRSS);
                         P
                         P
                            1636
1637
                             1638
                                                                 IF . SHARE
                             1639
                                                                THEN
                            1640
1642
1643
1644
1645
1646
1650
1651
1653
                                                                       BEGIN
FILE_FAB[FAB$B_SHR] = FAB$M_GET OR FAB$M_PUT OR FAB$M_UPI;
FILE_FAB[FAB$B_FAC] = FAB$M_GET;
                                                                ELSE
                                                                       BEGIN
                                                                       FILE_FAB[FAB$B_SHR] = FAB$M_NIL;
FILE_FAB[FAB$B_FAC] = FAB$M_GET OR FAB$M_PUT;
                                                                FILE_FAB[FAB$V_FILE_MODE] = .CHANGE_ACMODE;
                                                                STATUS = SOPEN (FAB = FILE_FAB);
                                                                IO_CHANNEL = .FILE_FAB[FAB$L_STV];
                                                                END
                            1654
   1659
                                                         ELSE STATUS = SS$_NORMAL;
  1660
1661
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1678
                            1656
1657
                                              Now that a channel has been assigned to the file, do a simple access to
                                             fill the fib. This is needed to get the file-id used to build the lock name.
                            1658
1659
                                                         IF .STATUS
                             1660
                                                         THEN
                            1661
1662
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1669
                         PPP
                                                                STATUS = $QIOW (CHAN = .IO_CHANNEL, FUNC = IO$_ACCESS,
                                                                IOSB = LOCAL IOSB,
P1 = FILE FIB DESC);
IF .STATUS THEN STATUS = .LOCAL_IOSB(O);
                                                                END:
                                                         END:
                                                  [ACL$C_DEVICE]:
                            1671
1672
1673
                                           ! If necessary assign a channel to the specified device.
```

S

V

```
F 2
16-Sep-1984 01:51:51
14-Sep-1984 12:40:53
SYSACLSRV
VO4-000
                                                                                                                                                                                                                                                                                                                                                                                                              VAX-11 Bliss-32 V4.0-742 [LOADSS.SRC]SYSACLSRV.B32;1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Page 74 (6)
                                                                        $CHANGE_ACL system service
                                                                      1675
1676
1677
1678
1679
1680
1681
                                                                                                                                                 IF . IO_CHANNEL EQL O
        IF .OBJECT DESCEO EQL O
THEN RETURN SS$ INSFARG;
STATUS = $ASSIGN (DEVNAM = OBJECT DESC,
                                                                                                                                                                                                                                                    CHAN = IO_CHANNEL);
                                                                                                                                                                   END:
                                                                                                           ! Now that there is a channel to the device, locate the ACL queue head.
                                                                       1686
1687
1688
1689
1690
1691
1692
                                                                                                                                                  IF .STATUS
                                                                                                                                                  THEN
                                                                                                                                                                  BEGIN
                                                                                                                                                                CMK_ARG_LIST[0] = 1; ! Number of the control of the
                                                                                                                                                                                                                                                                                                                                               Number of args
                                                                                                                                                                                                                                                                                                                                               Channel number
                                                                        1694
1695
1696
1697
1698
1699
1700
1701
1702
1703
                                                                                                                                                END:
                                                                                                                             [ACL$C_JOBCTL_QUEUE]:
                                                                                                                                                STATUS = SS$_BADPARAM;
                                                                                                                              [ACL$C_COMMON_EF_CLUSTER]:
                                                                                                                                             BEGIN

IF .OBJECT_DESC[O] EQ. 0

THEN RETURN SS$_INSFARG;

CMK_ARG_LIST[O] = 1;

CMK_ARG_LIST[1] = OBJECT_DESC;

STATUS = $CMKRNL (ROUTIN = GET_CEB_ACL,

ARGLST = CMK_ARG_LIST);
                                                                        1704
1705
                                                                                                                                                                                                                                                                                                                                         Number of args
                                                                       1706
1707
                                                                                                                                                                                                                                                                                                                                         ! Cluster name descr
                                                                        1708
1709
                                                                                                                                               END:
                                                                                                                              [ACL$C_LOGICAL_NAME_TABLE]:
                                                                                                                                              BEGIN

IF .OBJECT_DESC[O] EQL O

THEN RETURN SS$_INSFARG;

CMK_ARG_LIST[O] = 1;

CMK_ARG_LIST[1] = OBJECT_DESC;

STATUS = $CMKRNL (ROUTIN = GET_LNT_ACL,

ARGLST = CMK_ARG_LIST);
                                                                        1714
1715
1716
1717
                                                                                                                                                                                                                                                                                                                                            Number of args
                                                                                                                                                                                                                                                                                                                                       ! Logical name table descr
                                                                                                                                                END:
                                                                                                                     [ACL$C_PROCESS]:

BEGIN

IF .OBJECT_DESC[O] EQL O

THEN RETURN SS$_INSFARG;

CMK_ARG_LIST[O] = 1;

CMK_ARG_LIST[1] = OBJECT_DESC;

STATUS = $CMKRNL (ROUTIN = GET_PCB_ACL,

ARGLST = CMK_ARG_LIST);
                                                                                                                                                                                                                                                                                                                                              Number of args
                                                                                                                                                                                                                                                                                                                                            Process name descr
                                                                                                                               [ACL$C_GLOBAL_SECTION]:
```

```
6 2
16-Sep-1984 01:51:51
14-Sep-1984 12:40:53
SYSACLSRV
VO4-000
                                                                                                                                                                                                                                                                                                                         VAX-11 Bliss-32 V4.0-742 [LOADSS.SRC]SYSACLSRV.B32;1
                                                                                                                                                                                                                                                                                                                                                                                                                                                          Page
                                                         $CHANGE_ACL system service
                                                                                                                BEGIN

IF .OBJECT_DESC[O] EQL O

THEN RETURN SS$_INSFARG;

CMK_ARG_LIST[O] = 1;

CMK_ARG_LIST[1] = OBJECT_DESC;

STATUS = $CMKRNL (ROUTIN = GET_GBL_ACL,

ARGLST = CMK_ARG_LIST);
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                                                                                                                                                                                                                                                                        Number of args
                                                                                                                                                                                                                                                                       Section name descr
                                                                                                                  END:
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1757
1758
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1765
                                                                                                    [INRANGE, OUTRANGE]:
                                                                                                                                                                                                        STATUS = SS$_BADPARAM;
                                                                                     ! If any error have occurred, leave now.
                                                                                     IF NOT .STATUS
                                                                                    THEN
                                                                                                   BEGIN
                                                                                                    IF .LOCAL_CHANNEL EQL O THEN $DASSGN (CHAN = .IO_CHANNEL);
RETURN .STATUS;
                                                                                            Now that the device has been identified, and a channel assigned if needed,
                                                                                            form the remainder of the lock resource name. Then do the appropriate lock
                                                                                            or unlock.
                                                                                    IF .LOCAL_OBJTYP EQL ACL$C_FILE OR .LOCAL_OBJTYP EQL ACL$C_DEVICE THEN
                                                                                                   BEGIN
                                                                                                   LOCAL
                                                                                                                                              TMP_LEN;
                                                                                    ! Build the remaining portion of the lock name.
                                                                                                 1766
1767
                                                        1768
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                                                         1771
                                                         1772
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1774
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1777
                                                                                                    IF NOT .STATUS
                                                                                                    THEN
                                                                                                                 IF .LOCAL_CHANNEL EQL 0 THEN $DASSGN (CHAN = .IO_CHANNEL);
RETURN .STATUS;
                                                         1778
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1785
1786
1787
                                                                                                  BEGIN
                                                                                                                 RESNAM_TEXT[RSN_W_FID_NUM] = .FILE_FIB[FIB$W_FID_NUM];
RESNAM_TEXT[RSN_W_FID_SEQ] = .FILE_FIB[FIB$W_FID_SEQ];
LOCK_RESNAM[DSC$W_LENGTH] = .LOCK_RESNAM[DSC$W_LENGTH] + 4;
                                                                                                                  END:
                                                                                                   END:
```

```
SYSACLSRV
VO4-000
                                                                                                                        16-Sep-1984 01:51:51
14-Sep-1984 12:40:53
                                                                                                                                                                    VAX-11 Bliss-32 V4.0-742 [LOADSS.SRC]SYSACLSRV.B32;1
                                                                                                                                                                                                                                        Page
                                                                                                                                                                                                                                                 76
                              $CHANGE_ACL system service
                                                                                                                                                                                                                                                 (6)
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                                            ! For files, process the attribute list, and pass it through to the ACP. ! for all other objects, the attribute processing is done here.
                                             IF .LOCAL_OBJTYP EQL ACLSC_FILE
                                            THEN
                                                    BEGIN
                                            ! Build the ACP attribute list.
                                                    STATUS = LIB$GET_VM (%REF ((.ITEM_COUNT + 1) * 8), ACP_ATR_LIST); IF NOT .STATUS
                                                     THEN
                                                           BEGIN
                                                           IF .LOCAL_CHANNEL EQL O THEN $DASSGN (CHAN = .IO_CHANNEL);
RETURN .STATUS;
                                                            END:
                                                   FUNCTION CODE = IOS_ACCESS;
ACP_ATR_PTR = 0:
INCR J FROM 0 TO .ITEM_COUNT - 1
                                                            IF PROBER (%REF (0), %REF (ITM$S_ITEM), ITEM_LIST[.J, 0,0,0,0])
                                                            THEN
                                                                   BEGIN
                                                                   ITEM_CODE = .ITEM_LIST[.J, ITM$w_ITMCOD];
ITEM_SIZE = .ITEM_LIST[.J, ITM$w_BUFSIZ];
ITEM_ADDR = .ITEM_LIST[.J, ITM$L_BUFADR];
                                                           ELSE
                                                                  BEGIN
                                                                  STATUS = SS$_ACCVIO;
LIB$FREE_VM (%REF ((.ITEM_COUNT + 1) * 8), ACP_ATR_LIST);
IF .LOCAL_CHANNEL EQL O THEN $DASSGN (CHAN = .IO_CHANNEL);
RETURN .STATUS;
                                                           IF .ITEM_CODE GTR MAX_ACL_ATR
                                                                 BEGIN
STATUS = SS$ BADPARAM;
LIB$FREE_VM (%REF ((.ITEM_COUNT + 1) * 8), ACP_ATR_LIST);
IF .LOCAL_CHANNEL EQL O THEN $DASSGN (CHAN = .TO_CHANNEL);
RETURN .STATUS;
                                                           IF .ITEM_CODE EQL ACL$C_RLOCK_ACL OR .ITEM_CODE EQL ACL$C_WLOCK_ACL THEN
   1840
1841
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1847
1848
1849
                                                                  BEGIN
                                                                   IF .ITEM_SIZE LSSU 4
                                                                          BEGIN
                                                                          STATUS = SS$_BADPARAM;
LIB$FREE_VM (%REF ((.ITEM_COUNT + 1) * 8), ACP_ATR_LIST);
IF .LOCAL_CHANNEL EQL O THEN $DASSGN (CHAN = .TO_CHANNEL);
RETURN .STATUS;
                                                                   IF NOT EXESPROBEW (O, .ITEM_SIZE, .ITEM_ADDR)
```

```
SYSACLSRV
VO4-000
                                                                                                                                  16-Sep-1984 01:51:51
14-Sep-1984 12:40:53
                                                                                                                                                                                  VAX-11 Bliss-32 V4.0-742 
LLOADSS.SRCJSYSACLSRV.B32;1
                                                                                                                                                                                                                                                            Page
                                $CHANGE_ACL system service
                                                                        ACP_ATR_LIST[.ACP_ATR_PTR, ATR$W_TYPE] = .ACL_TO_ATR_TAB[.ITEM_CODE];

IF .ITEM_CODE EQL_ACL$C_ADDACLENT OR .ITEM_CODE EQL_ACL$C_DELACLENT

OR .ITEM_CODE EQL_ACL$C_MODACLENT OR .ITEM_CODE EQL_ACL$C_DELETEACL

THEN FUNCTION_CODE = IO$ MODIFY;

ACP_ATR_LIST[.ACP_ATR_PTR, ATR$W_SIZE] = .ITEM_SIZE;

ACP_ATR_LIST[.ACP_ATR_PTR, ATR$W_SIZE] = .ITEM_ADDR;

ACP_ATR_LIST[.ACP_ATR_PTR, ATR$L_ADDR] = .ITEM_ADDR;

END;
                                1903
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   1912
   1914
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                                1911
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1918
1919
                                                                END:
   1918
                                                ! Tie off the attribute descriptor list.
   1919
   1920
1921
1922
1923
1924
1925
1926
1927
1938
1933
1933
1938
1938
1939
                                                        ACP_ATR_LIST[.ACP_ATR_PTR, ATR$W_TYPE] = 0;
ACP_ATR_LIST[.ACP_ATR_PTR, ATR$W_SIZE] = 0;
                                                ! Initialize the FIB, and call the ACP to process the attribute list.
                               1920
1921
1922
1923
1924
1925
1926
                                                        FILE FIBEFIBSL ACLCTX] = .ACL CONTEXT;
STATUS = $QIOW (CHAN = .IO CHANNEL,
FUNC = .FUNCTION CODE,
                                                        IOSB = LOCAL IOSB,

P1 = FILE_FIB_DESC,

P5 = .ACP_ATR_LIST);

IF .STATUS THEN STATUS = .LOCAL IOSBCO];

IF .STATUS THEN STATUS = .FILE_FIBCFIB$L_ACL_STATUS];

IF .LOCAL_CHANNEL EQL O THEN $DASSGN (CHĀN = .IO_CHANNEL);
                                1928
1929
1930
                                                        STATUS2 = LIB$FREE_VM (%REF ((.ITEM_COUNT + 1) * 8), ACP_ATR_LIST); IF .STATUS AND NOT .STATUS2 THEN STATUS = .STATUS2;
                                1931
                                1932
1933
                                                ! If an unlock request was made on the file's ACL, do it now.
                                1934
1935
                                                        IF .LOCAL_LOCKID NEQ O THEN STATUS = $DEQ (LKID = .LOCAL_LOCKID);
                                1936
1937
                                1938
                                                 ! for non-file objects, the queue head has been located; loop through
                                1939
                                                ! the item list performing the actions specified.
                                1940
1941
1942
1943
1944
1945
                                                ELSE
                                                        BEGIN
                                                       CMK_ARG_LIST[0] = 3;

CMK_ARG_LIST[1] = .ITEM_COUNT;

CMK_ARG_LIST[2] = .ITEM_LIST;

CMK_ARG_LIST[3] = .SHARE;

STATUS = $CMKRNL (ROUTIN = ACL_DISPATCH,

ARGLST = CMK_ARG_LIST);
                               1946
                                                        END:
                                1950
                                                ! If necessary, deassign the channel assigned.
                                                IF .LOCAL_CHANNEL EQL O THEN $DASSGN (CHAN = .IO_CHANNEL);
   1960
1961
1962
1963
                                                ! If necessary, return the context.
                                                      .CONTEXT NEQA O
                                                THEN IF PROBEW (TREF (0), TREF (4), .CONTEXT)
   1964
```

SYSACLSRV VO4-000	\$CHANGE_ACL syst	em service			1	-Sep-1	984 01:51 984 12:40	1:51 VAX-11 Bliss-32 V4.0-742 D:53 [LOADSS.SRC]SYSACLSRV.B32;1	Page 8
		50	08 05	9B 30 00 10 10 10 10 10 10 10 10 10 10 10 10	31 00080 00 00083 12 00087 31 00089 00 00080	3\$:	BRW MOVL BNEQ	81\$ OBJECT_TYPE, RO	151
	60	04	07	00 0	00089 00080	45:	PROBER	4\$ 36\$ #0, #4, (R0) 12\$ (R0), LOCAL_OBJTYP	: 152
		56		60 1	00092	>>:	MOVL	(RO), LOCAL_OBJTYP	152 152 152
		07		56 D	1 00097 B 0009A		CMPL	LOCAL_OBJTYP, #7 7\$ #20, RO	152
		50		14 0	0 0009C	6\$:	MOVL	#20, RO	152
		50	00	AC 0	0009F 0000A0 3 000A4	7\$:	MOVL	OBJECT_NAME, RO	153
	60	08		00 0 53 1	C 000A6		PROBER BEQL	#0, #8, (R0) 12\$	153
		FO AD F4 AD 50 51	0C 04 64 60 0000006 0000000 1C 1C 1C 1C 1C	AO D AD D AD D	00083 00083		BMDEN BLU R LEW ROUNDER BOOK DE RECEDENT DE LA RECEDENT DEL RECEDENT DE LA RECEDENT DEL RECEDENT DE LA RECEDENT	OBJECT_NAME, RO  8\$  #0, #8, (RO)  12\$  (RO), OBJECT_DESC  4(RO), OBJECT_DESC+4  OBJECT_DESC+4, RO  OBJECT_DESC, R1  R3  EXESPROBER RO, 9\$  15\$  OBJECT_DESC  ACL_CONTEXT  28(SP)  CONTEXT  10\$  28(SP)  #0, #4, acontext  15\$  acontext, Acl_context  #1, SHARE ITEM_LIST, R9	153 153 154
		05 00	000000G	00 1	6 000BF		JSB	EXESPROBER	
			000000°	AD 7 EF D AE D	1 000C8 C 000CA 4 000CD 4 000D3	8\$: 9\$:	BRB CLRQ CLRL CLRL	15\$ OBJECT DESC ACL_CONTEXT 28(SP)	154 154 155 155
			10	AC D	5 000D6 3 000D9		TSTL BEQL	CONTEXT 10\$	
	1C BC	04	10	AE D	000DE		PROBEW	28(SP) #0, #4, acontext	155
	0000	0000' EF 5A 59	1C 10	BC D 01 9 AC D	3 000E3 0 000E5 0 000E0 0 000F0 4 000F4 5 000FA 3 000FF 0 00101 5 00104	10\$:	MOVL MOVL MOVL	acontext, ACL_CONTEXT #1, SHARE ITEM_LIST, R9	155 155 156
	51 6149	50 00		00 0	5 000F6	115:	MULL3	#12. J. R1	
		•	61	2B 1 49 9 9E B	3 000FF 00101 05 00104	12\$:	BEQL PUSHAB TSTW	#12, J, R1 #6, #12, (R1)[R9] 15\$ (R1)[R9] a(SP)+ 13\$	156
		57		50 D	0 00108 1 0010B		MOVL BRB	J. ITEM_COUNT	156 156 157
		51 01	02 A1	9E 3	00 00108 1 0010B 0F 0010D 3C 00111	135:	MOVZWL	2(R1)[R9] a(SP)+, R1	: 157
				OF 1	3 00117		BEQL	14\$ #1	157
		02 03		OA 1	1 00119 3 0011C		BEQL	14\$	157
		06		05 1 51 B	3 00121		BEQL	14\$ R1 #6	157
		30		OF 1 51 B 0A 1 51 B 05 1 51 B 08 1 50 B 1 50 B	1 0011E 3 00121 1 00123 2 00126 4 00128 1 0012A	145:	BNEQ CLRB	13\$ J. ITEM_COUNT 17\$ 2(R1)[R9] a(SP)+, R1 R1, #1 14\$ R1, #2 14\$ R1, #3 14\$ R1, #6 16\$ SHARE 16\$ #12, R0	
		50		0C D	0 00120	15\$:	WOAF	#12, RO	157 156 157

SYSACLSRV V04-000	\$CHANGE_ACL	system service		M 2 16-Sep-19 14-Sep-19	984 01:51 984 12:40	:51 VAX-11 Bliss-32 V4.0-742 :53 [LOADSS.SRC]SYSACLSRV.B32;1	Page 8
18	BE 00	50 7FFFFFF 6E	8F 00	04 0012F F3 00130 16\$: 20 00138 17\$:	RET AOBLEQ MOVC5	#2147483647, J. 11\$ #0, (SP), #0, #24, DVI_ATR_LIST	156
08	00	6E 00000000	8F 00 AE 00 EF	2C 0013F	MOVC5	#0, (SP), #0, #8, LOCK_RESNAM	158
C8	00	00000000° 28 00000000° EF 00000000° E 50 00000000° E 00000000° E 00000000° E	AE 08	D4 00149 B0 0014C 9E 00153 D0 0015E 2C 00166 0016C	CLRL MOVW MOVAB MOVL MOVC5	LOCAL_LOCKID  #8, LOCK_RESNAM  RESNAM_TEXT, LOCK_RESNAM+4  LOCK_PREFIX[LOCAL_OBJTYP], RO  (RO), @4(RO), #0, #8, RESNAM_TEXT	158 158 158 158
		03 00000000	EF 20 EF	D1 00171 12 00178 D5 0017A	CMPL BNEQ TSTL	CALL_ACMODE, #3 18\$ PARENT_ID	159
		00000000v	18 7E EF 02	12 00180 04 00182 9F 00184 FB 0018A	CMPL BNEQ TSTL BNEQ CLRL PUSHAB CALLS MOVL BLBS	-(SP) GET PAPENT LOCK	160
0131	06 012C 017C	00000000G 00 58 03 00 00 00 00 00 00 00 00 00 00 00 00	50 58 0484 56 0011 014A	E8 00194 31 00197 CF 0019A 18\$: 0019E 19\$:	BLBS BRW CASEL .WORD	#2, SYS\$CMRRNL R0, STATUS STATUS, 18\$ 81\$ LOCAL OBJTYP, #1, #6 20\$-19\$,- 26\$-19\$,- 29\$-19\$,- 31\$-19\$,- 32\$-19\$,-	160
0040 8F	00	6E 0	011B 00	31 001AC 2C 001AF 20\$:	BRW MOVC5	35\$-19\$' 29\$ #0, (SP), #0, #64, FILE_FIB	174
08	00	6E 0090	CE 00	001B6 2C 001B9	MOVC5	#0, (SP), #0, #8, FILE_FIB_DESC	161
		00D0 CE 40 00D4 CE 0090 00BE CE 00000000	COCEFEE SON	00186 2C 00189 0018E 9B 001C1 9E 001C7 90 001CE 05 00107 13 00109 31 00108 2C 0010E 21\$:	MOVZBW MOVAB MOVB TSTL BEQL BRW	#64, FILE_FIB_DESC FILE_FIB, FILE_FIB_DESC+4 CHANGE_ACMODE, FILE_FIB+46 R8 21\$ 24\$	1619 1629 1629
0050 8F	00	6E AO	00 00 AD	2C 001DE 21\$:	MOVC5	#U, (SP), #U, #6U, \$KM5_PIR	1633
0060 8F	00	A0 AD 5003 A4 AD 00020000 B6 AD BF AD C8 AD FF40 CC AD F4 D4 AD F0	8F 8F 002 CD AD 000 8F 01	001E5 B0 001E7 D0 001ED 90 001F5 90 001F9 9E 001FD D0 00203 90 00208 2C 0020D	MOVU MOVB MOVB MOVAB MOVL MOVB MOVC5	#20483, \$RMS_PTR #131072, \$RMS_PTR+4 #2, \$RMS_PTR+22 #2, \$RMS_PTR+31 FILE_NAM, \$RMS_PTR+40 OBJECT_DESC+4, \$RMS_PTR+44 OBJECT_DESC, \$RMS_PTR+52 #0, (SP), #0, #96, \$RMS_PTR	1437
0000 87	00	FF40 CD 6002 FF42 CD FF44 CD 00D8 FF4A CD FF4C CD FE40	CD 8F 01 CE 01 CD	00214 B0 00217 8E 0021E 9E 00223 8E 0022A 9E 0022F	MOVW MNEGB MOVAB MNEGB MOVAB	#24578, \$RMS_PTR #1, \$RMS_PTR #2 FILE_RES_NAME, \$RMS_PTR+4 #1, \$RMS_PTR+10 FILE_EXP_NAME, \$RMS_PTR+12	1637

SYSACLSRV V04-000	\$CHANGE_ACL system servi	ce	N 2 16-Sep-1984 01:51:51 VAX-11 Bliss-32 V4.0-742 14-Sep-1984 12:40:53 [LOADSS.SRC]SYSACLSRV.B32;1	Page 82 (6)
EA AD	02 B6 A 02 00000000 Q	8 4302 8F 06 06 4 00000000 EF A0 AD	BU 00236 BO 00239 BO 00239 BO 00237 BO 00247 BO 00247 BO 00247 BO 00247 BO 00247 BO 00251 BO 00251 BO 00254 BO 00254 BO 00255 BO 00255 BO 00255 BO 00256 BO 00265 BO 00266 BO 00276 BO 00277 BO 00276 BO 00277 BO 00276 BO 00277 BO 00276 BO 00276 BO 00282 BO 00282 BO 00282 BO 00286 BO	: 1638 : 1642 : 1638 : 1647 : 1649 : 1651
	00000000G 0 20 A 5	03	## ## ## ## ## ## ## ## ## ## ## ## ##	1652 1625 1654 1659 1665
	7 00000000 0	00E4 CE 7E F8 AD 32 E 48 AE 7E	9F 00271 PUSHAB FILE_FIB_DESC 7C 00275 CLRQ -(SP) 9F 00277 PUSHAB LOCAL_IOSB DD 0027A PUSHL #50 3C 0027C MOVZWL IO_CHANNEL, -(SP) D4 00280 CLRL -(SP)	
	00000000G 0	B 50 1 5B B F8 AD 38 58 17 F0 AD	D4 00280	1666 1610 1675
	00000000 0 50	28 AE FO AD 0 04 B 50	3C 00285 11 00295 26\$: TSTL R8 12 00297 D5 00299 13 00290 PF 00240 PF 002A0 PF 002A0 PF 002A6 D0 002A0 BB BB STATUS BB BC	1678 1681
	30 A 34 A	01 F 9 E 01 E 20 AE 30 AE 000000000 EF	13 0029C 7C 0029E 7C 0029E 9F 002A0 9F 002A0 PUSHAB 10 CHANNEL PUSHAB DO 002A6 CALLS #4, SYS\$ASSIGN DO 002AD E8 002B0 E8 002B0 DO 002B6 BRW GOS MOVL M1, CMK_ARG_LIST PUSHAB FO 002BF PUSHAB MOVZWL FO CHANNEL, CMK_ARG_LIST PUSHAB FO 002C2 FO 002C2 FO 002C2 FO 002C3 BRB BRB BRB BRB BRB BRB BRB BRB BRB BR	1689 1690 1692
	30 A 34 A	FO AD 4B FO AD 30 AE	DÓ 002CA 29\$: MOVL #20, STATUS 11 002CD 30\$: BRB 39\$ D5 002CF 31\$: TSTL OBJECT_DESC 13 002D2 BEQL 36\$ DO 002D4 MOVL #1, CMK_ARG_LIST 9E 002D8 MOVAB OBJECT_DESC, CMK_ARG_LIST+4 9F 002DD PUSHAB CMK_ARG_LIST 9F 002E0 PUSHAB GET_CEB_ACL 11 002E6 BRB 38\$	1698 1610 1703 1705 1706 1708
	30 A	FO AD	11 002CD 30\$: BRB 39\$ D5 002CF 31\$: TSTL OBJECT_DESC 13 002D2 BEQL 36\$ D0 002D4 MOVL #1, CMK_ARG_LIST 9E 002D8 MOVAB OBJECT_DESC, CMK_ARG_LIST+4 9F 002D0 PUSHAB CMK_ARG_LIST 9F 002E0 PUSHAB GET_CEB_ACL 11 002E6 BRB 38\$ D5 002EB 32\$: TSTL OBJECT_DESC 13 002EB BEQL 36\$ D0 002ED MOVL #1, CMK_ARG_LIST 9E 002F1 MOVAB OBJECT_DESC, CMK_ARG_LIST+4 9F 002F6 PUSHAB CMK_ARG_LIST 9F 002F9 PUSHAB CMK_ARG_LIST 9F 002F9 PUSHAB CMK_ARG_LIST 9F 002F9 PUSHAB CMK_ARG_LIST	1713 1715 1716 1718

\$CHANGE_ACL	system	service
	9/060111	2010100

HANGE_ACL	system ser	vice				15	S-Sep	-1984 01:51 -1984 12:40	:51 VAX-11 Bliss-32 V4.0-742 :53 [LOADSS.SRC]SYSACLSRV.B32;1	Page 83 (6)
			FO	36 AD	11	002FF 00301	33\$: 34\$:	BRB	38\$ OBJECT_DESC 36\$	: 1723
	30 34	AE		01	13	00304	348:	MOVL	36\$ #1, CMK_ARG_LIST	
	34	AE	00000000V	36D 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	13 90 9F 9F	0030A		BEQL MOVL MOVAB PUSHAB PUSHAB BRB TSTL	M1, CMK_ARG_LIST OBJECT_DESC, CMK_ARG_LIST+4 CMK_ARG_LIST GET_PCB_ACL 38\$	1725 1726 1728
			FO	1D AD	11	00312 00318 0031A	35\$:	BRB	OBJECT_DESC 37\$	1733
		50	0114	06 8F	D5 12 30	0031D 0031F	36\$:	BNEW	37\$ #276, RO	1734
	30 34	AE AE		01	04	00324 00325 00329	37\$:	MOVL	#1. CMK_ARG_LIST	1735
	34	AE	00000000V	AE	9E 9F 9F	00325 0032E 00331 00337		PUSHAB	CMK_ARG_LIST	1735 1736 1738
	000000006	00 5B 4C	00000000	02	FB DO	00337 0033F	38\$:	CALLS	#2, SYSSCMKRNL	
		40	18	5B AE	E9 04 01	0033E 00341 00344	39\$:	BLBC	#1, CMK_ARG_LIST OBJECT_DESC, CMK_ARG_LIST+4 CMK_ARG_LIST GET_GBL_ACL #2, SYS\$CMKRNL R0, STATUS STATUS, 42\$ 24(SP)	1746 1757
		01		56	12	00347 0034A		MOVZWL RET MOVL MOVAB PUSHAB CALLS MOVL BLBC CLRL CMPL BNEQ INCL BRB	40\$	
			18	AE 05	11	0034C 0034F 00351		INCL BRB	24(SP) 41\$	
		02		59	12	00351 00354 00356	40\$:	BNEQ	LOCAL_OBJTYP, #2	1
	78 70 0080	AE	00F00017 000000000	EF	9E 9E 7C	nn35F	415:	BRB CMPL BNEQ MOVA MOVAB MOVAB	RESNAM TEXT+8, DVI ATR LIST	1765 1766 1767 1770
	0000	CE	24	7E	70	00360		CLRQ CLRL PUSHAB	#15728663, DVI_ATR_LIST RESNAM_TEXT+8, DVI_ATR_LIST+4 TMP_LEN, DVI_ATR_LIST+8 -(SP) -(SP)	1770
			0088	AEF20BE655E569FFEEDEE	9F 9F	00366 0036E 00370 00373		PUSHAB	LOCAL IOSB DVI ATR_LIST -(SP)	
		7E	38		20	00377 00379 0037D		CLRL	IO CHANNEL, -(SP) -(SP)	
	0000000G	00		AEE 8055 AB AEE CO4	FB	0037D 0037F			#8. SYS\$GETDVI	
		00 58 48 58 41		5B	DO E9	0037F 00386 00389 0038C 00390		MOVL BLBC	STATUS, 45\$	1771
	00000000	41	F8	5B	E9	00390	428:	BLBC	STATUS, 45\$	1772
		10	24 18 0094	AE	E9	00393 0039B 0039F		BLBC	24(SP), 43\$ FILE FIR+4 RESNAM TEXT+24	1780
	00000000;	EF 10 EF 03	18	04 AE	909090081 E309090081	003A8 003AF	438:	BLBC MOVL ADDW2 BLBS BRW	#8. SYS\$GETDVI R0. STATUS STATUS, 45\$ LOCAL_IOSB, STATUS STATUS, 45\$ TMP_LEN, LOCK_RESNAM 24(5P), 43\$ FILE_FIB+4, RESNAM_TEXT+24 #4. COCK_RESNAM 24(SP), 44\$ 75\$ ACP_ATR_LIST	1772 1779 1780 1783 1785 1785
			20	0211 AE	9F	003B3 003B6	448:	BRW PUSHAB	75\$ ACP_ATR_LIST	
08 AE	08 18	S7 AE AE	00	03 08 AE 02 50 50 00 53	78	0039F 003AB 003AF 003B3 003B6 003B9		PUSHAB ASHL ADDL2	ACP_ATR_LIST #3, ITEM_COUNT, 8(SP) #8, 8(SP) 8(SP), 24(SP) 24(SP) #2, LIB\$GET_VM	
	00000000G		08 18	AE	9F	00307		MOVL PUSHAB	24(SP) #2   IBSGET VM	
	00000000	00 5B 03		50 58	FB D0 E8	003CA 003D1 003D4	458:	CALLS MOVL BLBS BRW	RO. STATUS STATUS. 46\$	1799
	14	AE		0005	31	003D7 003DA	465:	BRW MOVL	RO, STATUS STATUS, 46\$ 60\$ #50, FUNCTION_CODE	1805

SYSACLSRV V04-000	\$CHANGE_ACL sy	stem servi	ce			16-Sep- 14-Sep-	1984 01:51 1984 12:40	1:51 VAX-11 Bliss-32 V4.0-742 P. 0:53 [LOADSS.SRC]SYSACLSRV.B32;1	age 84
		5	6	58 01	D4 0031	E	CLRL	ACP_ATR_PTR #1. J 69\$ #12. J. RO #0. #12. (RO)[R9] 48\$ 2(RO)[R9] a(SP)+, ITEM_CODE (RO)[R9] a(SP)+, ITEM_SIZE 4(RO)[R9] a(SP)+, ITEM_ADDR 49\$ #12. STATUS	: 1806 : 1807
	50 6049	5	6	014D 0C 00 18	0031 0031 0031 0031 0031 9F 0031 9F 0031 9F 0031 9F 0031	6 478:	BRW MULL3	69\$ #12, J, RO	: 1810
	6049	0	C	18	0C 0031	F	PROBER	#0, #12, (R0)[R9]	1
		5	A 02 /	4049 9E	9F 0031	5	PUSHAB	a(SP)+, ITEM_CODE	; 1813
		08 A	E	5049 9E	3C 003	B	MOVZWL	a(SP)+, ITEM_SIZE	1814
		OC A	E 04 /	9E	9F 0031	3	MOVL	a(SP)+, ITEM_ADDR	1815
		5	В	200	DO 0040	9 48\$:	MONT	#12, STATUS 59\$	: 1810 : 1819 : 1820 : 1824
		0	c '	5A	D1 004	F 498:	CMPL	ITEM_CODE, #12	: 1824
			(	0083	DO 0040 31 0040 15 0040 31 0040 15 0040 12 0040 12 0040 11 0040	7 508:	BRW	50\$ 58\$ R4	1833
		0	A	5A	D1 004	9 303.	CMPL	ITEM_CODE, #10	: 1033
				54	D6 004	E	INCL	DL .	
		0	В	5A	D1 004	2 51\$:	CMPL	\$2\$ ITEM_CODE, #11 57\$	: 1834
		0	4 08	AE 6D	D1 004	7 52\$:	CMPL	ITEM_SIZE, #4	: 1837
		5	0 00	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D1 004 12 004 D1 004 1F 004 D0 004	0	CLE 3 R BLBLB REG 3 R BLBLB REG 4 R BLBLB REG 5 R BLBLB REG 6 R BLBLB REG 7 R BLBLB REG 7 R BLBLB REG 7 R BLBLB REG 7 R BLBLB REG 8 R BLBLB RE	ITEM_ADDR, RO ITEM_SIZE, R1 R3	1845
			00000000G	53	116 11116	•	CLRL	FIFAPRURFW	
		Ç	9 E	50	7D 004	0	BLBC MOVQ	RO, 48\$ #3, -(SP)	1863
				7E 7E	04 004	3	CLRQ	RO. 48\$ #3(SP) -(SP) -(SP)	:
		0	3 00000000	7E 08 E 2 P E 0 P E F	12 0044	E	CLRQ CLRL CMPL BNEQ PUSHL	CALL_ACMODE, #3	:
			00000000.	02 02	DD 004	0	PUSHL BRB	PARENT_ID 54\$ -(SP)	;
			00000000	EF	9F 004	A 548:	PUSHAB	LOCK_RESNAM	
			, F8	AD	DD 0046	2	PUSHAB	LOCK_RESNAM #28 LOCAL_IOSB R4. 55\$ #1 56\$	
		0	•	AD 54 01	E9 0046	8	PUSHL	M1 54e	
				04	11 0046 DD 0046	C 55\$:	PUSHL	#4 -(SP)	
	00	0000000 0	0	OB	DD 0046 D4 0046 FB 004 D0 004	0	CALLS	#11, SYSSENQ	
		2	0	5B	E9 004	A	BLBC	STÁTUS, 59\$	: 1864
08 AI	E 00	FC A	9	04EB055B0BBBBBBBBBBBBBBBBBBBBBBBBBBBBBBB	DD 0046 FB 004 DO 004 E9 004 E9 004 E9 004	11	BRB CLRL PUSHAB PUSHL PUSHL BRB PUSHL CALLS MOVL BLBC MOVZWL BLBC MOVC5	#11, SYSSENQ RO, STATUS STATUS, 59\$ LOCAL_IOSB, STATUS STATUS, 59\$ #4, LOCAL_IOSB+4, #0, ITEM_SIZE, @ITEM_ADDR	1865
00 N			00	BE 68	0048	B			
		0	C	5A	11 0048 D1 0048	F 578:	BRB CMPL	65\$ ITEM_CODE, #12	1833

YSACLSRV 04-000	\$CHANGE_ACL syste	m servic	e			D 3 16-Sep 14-Sep	-1984 01:51 -1984 12:40	:51 VAX-11 Bliss-32 V4.0-742 Pa :53 [LOADSS.SRC]SYSACLSRV.B32;1	ige 85
		04	08	68 AE	12	00492 00494	BNEQ CMPL BGEQU	66\$ ITEM_SIZE, #4	: 1880
		5E		10	1E	00498	BGEQU	61\$ #20. STATUS	:
		04 AE	2C 08 04	AE	9F	0049A 58\$: 0049D 59\$:	MOVL PUSHAB	#20, STATUS ACP ATR LIST 8(SP), 4(SP) 4(SP)	: 1883
	00000		04	AE	DO 9F FB	004A5	MOVL PUSHAB	4(SP)	
	00000	0000 00	10	AE	B5	0049A 58\$: 0049D 59\$: 004A5 004A5 004AF 60\$: 004B2 004B4 004B6 61\$: 004BB 004C0 004C0 004C0 004C0	CALLS TSTW BEQL BRB	#2. LIBSFREE_VM LOCAL_CHANNEL 62\$ 63\$	: 1885
		50	00	38	11	00484 00486 61\$:	BRB	63\$	: 1886 : 1888
		50	00 08	AE	00	004BA	MOVL MOVL CLRL	ITEM_ADDR, RO ITEM_SIZE, R1 R3	: 1000
		29	00000000	őğ	16	00400	JSB	FXFSPRORFR	
		28 58	20	ÕČ	E8	00469	JSB BLBS MOVL PUSHAB	RO, 64\$ #12, STATUS ACP_ATR_LIST 8(SP), 4(SP) 4(SP)	189
		04 AE	2C 08 04	AE	9F D0 9F	004CF	MOVL PUSHAB	8(SP), 4(SP)	: 1892
	00000	000G 00	10	02	FB	004CF 004D4 004D7 004DE 004E1	CALLS	#2, LIB\$FREE_VM	:
		70	10	ÔB	B5	004E1	CALLS TSTW BNEQ MOVZWL CALLS	#2, LIB\$FREE_VM LOCAL_CHANNEL 63\$	: 189
	00000	000G 7E	20	01	3C FB	004E7	CALLS	IO_CHANNEL, -(SP) #1, SYS\$DASSGN 81\$	!
04	00	OC BE	08 28	AEEE2EF8EE3000CEEEE2EBE1DEE7	31 20	004EE 63\$: 004F1 64\$:	BRW MOVC5	ITEM_SIZE, altem_ADDR, #0, #4, LOCAL_LOCKID	: 189¢
			28	37	11	004F8 004FA 65\$: 004FC 66\$:	BRB	69\$	187
		02 A0	44	BE48 AE4A	11 7E F7 D1	00501	CVTLW	69\$  aACP_ATR_LIST[ACP_ATR_PTR], RO ACL_TO_ATR_TABLITEM_CODE], 2(RO)  ITEM_CODE, #1  67\$  ITEM_CODE, #2  67\$	:
				OF	13	00501 00507 0050A 0050C 0050F	CMPL BEQL CMPL BEQL CMPL	67\$	1904
		02		OA AO	13	0050C 0050F	BEQL	67\$	
		03		05 05	13	00511 00514	E QL CMPL	67\$	1905
		06		04 04	12	00516		ITEM_CODE, #6 68\$ #54, FUNCTION_CODE	!
		14 AE	Sc	BE 48	7F	0051B 67\$:	MOVL PUSHAQ	#54, FUNCTION_CODE  aACP_ATR_LIST[ACP_ATR_PTR]	: 1906 : 1907
		9E 50 04 A0	0C 2C 2C	5A 05A 05A 05A 05A 05A 0348 BE 48 BE 48 57	B0 7E D0 D6	0051B 67\$: 0051F 68\$: 00523 00527 0052C 00531 00533 69\$:	MOVW	#54, FUNCTION_CODE  aACP_ATR_LIST[ACP_ATR_PTR]  ITEM_SIZE, a(SP)+  aACP_ATR_LIST[ACP_ATR_PTR], RO  ITEM_ADDR, 4(RO)  ACP_ATR_PTR  ITEM_COUNT, J, 70\$  71\$	: 1908
			00	AE 58	D0	0052C 00531	MOVL INCL AOBLSS BRB BRW	ACP_ATR_PTR	1909
	02	56			F2	00533 69 <b>\$</b> :	AOBLSS BRB	ITEM_COUNT, J, 70\$	: 1807
		50	20	FEAA BE48	31 7E	00539 70\$: 0053C 71\$:		4/3	1915
			5C 05 5C	FEAA BE 48 AO BE 48 FF 7E 7E	84 7F	00537 00539 70\$: 0053C 71\$: 00541 00544	MOVAQ CLRW PUSHAQ CLRW MOVL CLRL PUSHL	aACP_ATR_LIST[ACP_ATR_PTR], RO 2(RO) aACP_ATR_LIST[ACP_ATR_PTR] a(SP)+	1916
		OCO CE	00000000	9E	B4	00548 0054A	CLRW	ACL CONTEXT, FILE FIB+48	:
			30	7E	84 00 04 00 70	00553	CLRL	ACL_CONTEXT, FILE_FIB+48 -(SP) ACP ATR LIST	1920
				7E	7C	00555 00558 0055A	CLRQ	ACP_ATR_LIST -(SP) -(SP)	

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SYSACLSRV V04-000	\$CHANGE	_ACL	system ser	vic	e			16- 14-	3 Sep-1984 01:5 Sep-1984 12:4	1:51	VAX-11 Bliss-32 V4.0-742 [LOADSS.SRC]SYSACLSRV.B32;1	Page 86
					00E4	CE 7E	9F	0055C 00560	PUSHAB	FILE -(SP	FIB_DESC	1
				7E	F 8 38 48	AE AE 7C	9F 9D 3C	00550 00560 00562 00565 00568	PUSHAB PUSHL MOVZWL	FUNC IO C	L IOSB TION CODE HANNEL, -(SP)	
			0000000G	00 5B			FB DO	0056E	CLRL	-(SP	SYS\$QIOW	
				0C 5B	F8	5B AD	E9	00578	BLBC MOVZWL	STÁT	US, 72\$ L_10SB, STATUS	1920
				05 5B	00C4 10	CE AF	50 E9 D0 B5	00578 00578 0057F 00582 00587 7	BLBC MOVL 2\$: TSTW	FILE	US, 72\$ FIB+52, STATUS	192
				7E 00		OB	12	0058A 0058C	BNEQ MOVZWL	73\$ 10_C	SYS\$QIOW STATUS US, 72\$ L_IOSB, STATUS US, 72\$ _FIB+52, STATUS C_CHANNEL HANNEL, -(SP) SYS\$DASSGN	: 1720
			00000000G 18	AE	50	AE AE	30 FB 9F	00590 00597 0059A	38: CALLS PUSHAB MOVL	ACP 8(SP	SYS\$DASSGN ATR_LIST ). 24(SP)	1930
			0000000G	00		50BDBEEEBBE1EBB0550	9F FB	0059F 005A2	PUSHAB	24(S	SYS\$DASSGN ATR_LIST ), 24(SP) P) LIB\$FREE_VM US, 74\$ US2, 74\$ US2, STATUS L_LOCKID	107
				06 03 5B		50	E8	005AC 005AF	BLBS	STAT	US2, 74\$ US2, STATUS	193
					28	AE 33 76	13 70	005B2 7 005B5 005B7	48: TSTL BEQL CLRO	77\$ -(SP	L_LOCKID	193
			00000000	00	34	7E AE	04	005BB	PUSHAB PUSHAB PUSHAB PUSHL MOVZWL CALLS MOVL BLBC MOVZWL TSTW BNEQ MOVZWL CALLS BNEQ MOVL S S: BNEQ MOVL CALLS BNEQ MOVL CALLS BNEQ MOVL BLBC CALLS BLBC BLBC BLBC BLBC BLBC BLBC BLBC B	-(SP -(SP LOCA	L_LOCKID	
			0000000G 30	00 AE		20	FB 11 00	005C5 005C7 7	5\$: MOVL	76\$	L_LOCKID SYS\$DEQ CMK_ARG_LIST	1943
			34 38 30	AE AE AE		57	DO	005CB	MOVL MOVL	R9	COUNT, CMK ARG_LIST+4	1946 1946 1946
					00000000v	AE	9F 9F	005D7 005DA	PUSHAB	CMK_	ARG LIST DISPATCH	1948
			0000000G	00 5B	10	50 AF	96 97 97 97 98 98 98 98 98 98 98 98 98 98 98 98 98	005E0 005E7 7 005EA 7	6\$: MOVL 7\$: TSTW	RO,	CMK_ARG_LIST COUNT, CMK_ARG_LIST+4 CMK_ARG_LIST+8 E, CMK_ARG_LIST+12 ARG_LIST DISPATCH SYSSCMKRNL STATUS L_CHANNEL HANNEL, -(SP) SYSSDASSGN P), 818 M4, acontext P), 798 _FIB+48, acontext	1953
			000000006	7E 00	20	OB AE	12	005ED 005EF	BNEQ	78\$ 10_C	HANNEL, -(SP)	
	10	ВС		20 04	10	AE 00	00	005FA 7	8\$: BLBC	28(S	P), 81\$ #4, acontext	1957 1958
			10	08 BC	0000	AE CE	13 E9	00603 00605 00609	BEQL BLBC MOVL	80\$ 24(SI	P), 79\$ FIB+48, ACONTEXT	1961
			10		00000000.	77A020555AEF205ABE1E06AEEDF3CB	13 E9 D0 11 D0	0060F 00611 7	BNEQ MOVZWL CALLS BLBC PROBEW BEQL BLBC MOVL BRB 9\$: MOVL	81\$ ACL	CONTEXT, aCONTEXT	
				5B 50		0C 5B	00	005CF 005D7 005DA 005E0 005E7 7 005ED 005EF 005FA 005FE 00605 00609 00609 00611 00618 00618 00621	OS: MOVL 1S: MOVL RET	#12 STAT	STATUS US, RO	1965 1958 1965 1967

; Routine Size: 1570 bytes, Routine Base: \$CODE\$ + 1318

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SYSACLSRV
VO4-000
                                                                                      16-Sep-1984 01:51:51
14-Sep-1984 12:40:53
                                                                                                                      VAX-11 Bliss-32 V4.0-742 [LOADSS.SRC]SYSACLSRV.B32;1
                                                                                                                                                                       Page
                     GET_PARENT_LOCK - get parent for ACL locks
                                *SBTTL 'GET_PARENT_LOCK - get parent for ACL locks'
ROUTINE GET_PARENT_LOCK =
  197734567890123456789012345678901234567890123456789012345
                                   FUNCTIONAL DESCRIPTION:
                                          This routine takes out a null lock on the system-wide ACL lock parent name. This lock is used as a parent for user mode ACL locks. It must be taken out in kernel mode, since some ACL locks are
                                           taken out in kernel mode.
                                           numeric value. If the name does not exist, an error is returned.
                                   CALLING SEQUENCE:
GET_PARENT_LOCK ()
                                   INPUT PARAMETERS:
                                           none
                                   IMPLICIT INPUTS:
                                           none
                                  OUTPUT PARAMETERS:
                                           none
                                   IMPLICIT OUTPUTS:
                                           PARENT_ID: set to lock ID of parent lock
                                   ROUTINE VALUE:
                                           Status of SENQ call
                                   SIDE EFFECTS:
                                           none
                                BEGIN
                                LOCAL
                                          STATUS,
LOCAL_IOSB
                                                                                        system status return
                                                                : VECTOR [4, WORD]; ! lock status block
                               000000
                                END:
                                                                                      ! End of routine GET_PARENT_LOCK
```

S

SYSACLSRV VO4-000	GET_PARENT_LOCK - get	parent for ACL	locks	16-Sep-1984 01:51 14-Sep-1984 12:40	:51 VAX-11 Bliss-32 V4.0-742 :53 CLOADSS.SRCJSYSACLSRV.B32;1	Page 88
	00000000	5E 7E 000000000° 20 00 11 50 0B EF 50	0000 08 70 70 77 77 87 87 87 87 87 87 87 87 87 87 87	00014 PUSHAB 00017 CLRQ 00019 CALLS 00020 BLBC	Save nothing #8, SP #3, -(SP) -(SP) -(SP) LOCK_PREFIX #28 LOCAL_IOSB -(SP) #11, SYSSENQ STATUS, 1\$ LOCAL_IOSB, STATUS STATUS, 1\$ LOCAL_IOSB+4, PARENT_ID #1, R0	2019 2019 2020 2021 2021 2021

```
H 3
16-Sep-1984 01:51:51
14-Sep-1984 12:40:53
SYSACLSRV
VO4-000
                                                                                                                                               VAX-11 Bliss-32 V4.0-742 [LOADSS.SRC]SYSACLSRV.B32;1
                                                                                                                                                                                                           Page
                          SET_ID - TPARSE action routine
                                       %SBTTL 'SET_ID - TPARSE action routine'
ROUTINE SET_ID =
  FUNCTIONAL DESCRIPTION:
                                                    This routine tries to convert an identifier to its corresponding numeric value. If the name does not exist, an error is returned.
                                          CALLING SEQUENCE:
                                                    SET_ID ()
                                          INPUT PARAMETERS:
                                                    none
                                          IMPLICIT INPUTS:
                                                    ACE_BUFFER: address of the binary ACE storage ACE_INDEX: index into the ACE key area
                          OUTPUT PARAMETERS:
                                                    none
                                          IMPLICIT OUTPUTS:
                                                    ACE_INDEX: index into the ACE key area
                                          ROUTINE VALUE:

SS$_NORMAL if the ID name exists

SS$_NOSUCHID if it does not
                                          SIDE EFFECTS:
                                                   The identifier name is converted to its corresponding value. That value is then placed in the ACE key area. The index is then updated to point to the next available key storage area.
                                      BEGIN
                                   2 LOCAL
                                                    UIC_POINTER
                                                                              : REF $BBLOCK;
                                                                                                                     ! Pointer to UIC entry
                                      ! Save the identifier, and note the type.
                                      VECTOR [ACE_BUFFER[ACE$L_KEY], .ACE_INDEX] = .IDENTIFIER;
ACE_INDEX = .ACE_INDEX + 1;
IF .IDENTIFIER[UIC$V_FORMAT] EQL_UIC$K_UIC_FORMAT
THEN UIC_COUNT = .UIC_COUNT + 1
ELSE ID_COUNT = .ID_COUNT + 1;
                                       RETURN 1:
                                      END:
                                                                                                                     ! End of routine SET_ID
```

S

SYSACLSRV VO4-000	SET_ID - TPARSE action rout	ine	I 3 16-Sep-1984 01:51:51 VAX-11 Bliss-32 V4.0-742 14-Sep-1984 12:40:53 [LOADSS.SRCJSYSACLSRV.B32;1	Page 90 (8)
	52 00 FE08 C240 C0 8F	0000000° 14 17 10 20	0004 00000 SET_ID: .WORD Save R2  EF 9E 00002 MOVAB ACE_INDEX, R2  A2 D0 00000 MOVL IDENTIFIER, ACE_BUFFER+8[R0]  A2 D6 00015 BITB IDENTIFIER+3, #192  A2 D6 0001C INCL UIC_COUNT  A2 D6 00021 1\$: INCL ID_COUNT  O1 D0 00024 2\$: MOVL #1, R0  O4 00027	2027 2070 2071 2072 2073 2074 2076 2078

; Routine Size: 40 bytes, Routine Base: \$CODE\$ + 196F

```
SV
```

```
SYSACLSRV
VO4-000
                                                                                                            16-Sep-1984 01:51:51
14-Sep-1984 12:40:53
                                                                                                                                                     VAX-11 Bliss-32 V4.0-742
LLOADSS.SRCJSYSACLSRV.B32;1
                                                                                                                                                                                                                  Page
                           SET_ACCESS_BIT - TPARSE action routine
                                                     ELSE RETURN SS$_ACCVIO;
IF NOT EXESPROBER (0, .BIT_NAME_DESCEDSC$W_LENGTH],
.BIT_NAME_DESCEDSC$A_POINTER])
  END
                                               ELSE BIT_NAME_DESC = .DEFAULT_BITS[.J];
IF CHSEQE (.SIZE, .BUFFER,
MINU (.SIZE, .BIT_NAME_DESCEDSCSW_LENGTH]), .BIT_NAME_DESCEDSCSA_POINTER], 0)
                                                     BEGIN

IF .BIT_POSITION GEQ O THEN RETURN 0; ! Ambiguous, error.

BIT_POSITION = .J;

END;
                                               END:
                                        IF .BIT_POSITION LSS 0 THEN RETURN 0; ACE_RIGHTS<.BIT_POSITION,1> = 1;
                                                                                                                             Specified name not found
                                                                                                                          ! Note desired access.
                                        RETURN 1:
                                        END:
                                                                                                                         ! End of routine SET_ACCESS_BIT
                                                                                            007C 00000 SET_ACCESS_BIT:
                                                                                                                                          Save R2, R3, R4, R5, R6
                                                                                                                                                                                                                        2080
2124
2142
2131
                                                                                                     00002
00005
00007 1$:
                                                                  56
                                                                                                                             MNEGL
                                                                                                                                           #1, BIT_POSITION
                                                                                                CE4003FC3F00C
                                                                                      60445
60445
60445
6045
6045
6050
6050
                                                                                                                             CLRL
                                                                  50 000000000
                                                                                                                             MOVL
                                                                                                                                           BIT_NAME_TABLE, RO
                                                                                                    0000E
00010
00013
                                                                                                                             BEQL
PUSHAQ
                                                                                                                                           (RO)[J]
                                                                                                                                                                                                                        2134
                                                                                                                                          #0, #8, a(SP)+
                                          9E
                                                                  08
                                                                                                                             PROBER
                                                                                                     00017
                                                                                                                             BEQL
                                                                                                                                          (RO)[J] BIT NAME_DESC
4(BIT NAME_DESC), RO
(BIT NAME_DESC), R1
R3
                                                                  55
50
51
                                                                                                     00019
                                                                                                                                                                                                                        2135
2137
                                                                                                     0001D
                                                                                                                             MOVL
                                                                                                     00024
                                                                                                                             CLRL
JSB
BLBS
                                                                                                D4 1680 040 D0
                                                                                                     00026
                                                                       0000000G
                                                                                                                                           EXESPROBER
                                                                                                                                          RO, 4$
#12, RO
                                                                                                     0002F 2$:
00032
00033 3$:
0003B 4$:
                                                                                                                                                                                                                        2139
                                                                                                                             MOVL
                                                                                                                             RET
                                                                      00000000°EF44
10 AC
000
03
65
10 AC
04 B5
07
56
17
54
1F
56
                                                                                                                                          DEFAULT_BITS[J], BIT_NAME_DESC
SIZE, RO
#0, #16, (BIT_NAME_DESC), RO
5$
                                                                                                                             MOVL
                                                                                                                                                                                                                        2141
                                                                                                                             MOVL
                                                                                                ED
1E
3C
2D
                                                                                                     0003F
00044
                  50
                                          65
                                                                                                                             BGEQU
                                                                                                                             MOVZWL
CMPC5
                                                                                                                                          (BIT_NAME_DESC), RO
SIZE, abuffer, #0, RO, a4(BIT_NAME_DESC)
                                                                                                     00046
                  50
                                          00
                                                         14
                                                                                                                                                                                                                        2142
                                                                                                    00049
00050
00052
00054
00056
00058
0005F
00061
                                                                                                125
180
150
150
150
150
                                                                                                                                          BIT_POSITION
                                                                                                                             TSTL
                                                                                                                                                                                                                        2146
                                                                                                                             BGEQ
                                                                                                                                          J. BIT_POSITION
#31 J. 18
BIT_POSITION
8$
                                                                                                                             MOVL
                                          A8
                                                                                                                             AOBLEQ
                                                                                                                             TSTL
                                                                                                                             BLSS
```

SYSACLSRV V04-000	SET_ACCESS_BIT - TPARSE action rou	tine	16-Sep-19	884 91:51:51 884 12:40:53	VAX-11 Bliss-32 V4.0-742 [LOADSS.SRC]SYSACLSRV.B32;1	Page 93
	00 00000000. Et	56 01	E2 00063 D0 0006B 7\$: 04 0006E D4 0006F 8\$:	BBSS BI	T_POSITION, ACE_RIGHTS, 7\$	2152 2154
		50	04 0006F 8\$: 04 00071	CLRL RO		2156

; Routine Size: 114 bytes, Routine Base: \$CODE\$ + 1997

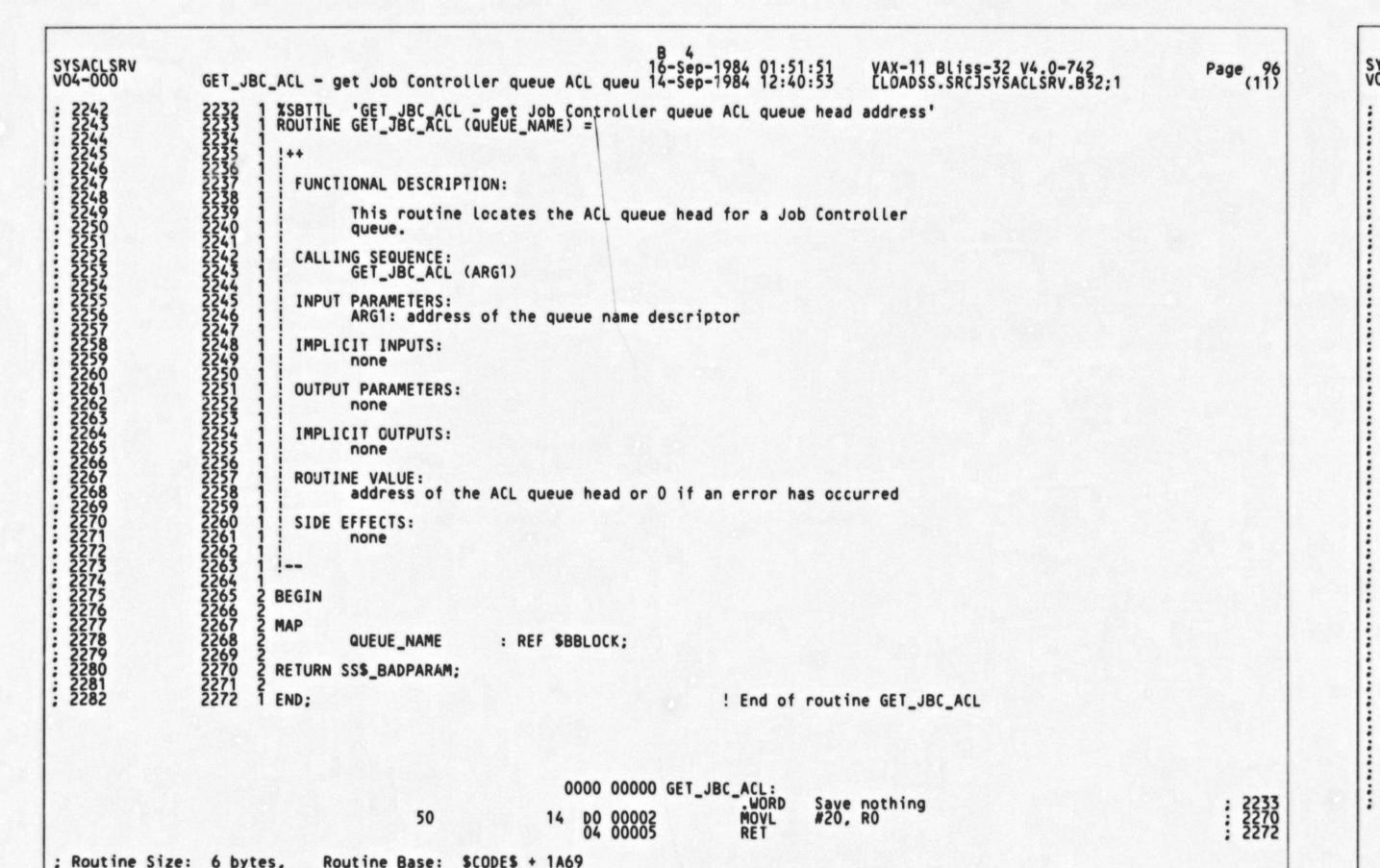
```
SYSACLSRV
VO4-000
                                                                                   16-Sep-1984 01:51:51
14-Sep-1984 12:40:53
                                                                                                                   VAX-11 Bliss-32 V4.0-742 
LLOADSS.SRCJSYSACLSRV.B32;1
                                                                                                                                                                       (10)
                     GET_UCB_ACL - get UCB ACL queue head address
  *SBTTL 'GET_UCB_ACL - get UCB ACL queue head address'
ROUTINE GET_UCB_ACL (CHANNEL) =
                    FUNCTIONAL DESCRIPTION:
                                          This routine locates the ACL queue head for a device, given a
                                          channel number.
                                  CALLING SEQUENCE:
                                         GET_UCB_ACL (ARG1)
                                  INPUT PARAMETERS:
                                          ARG1: channel assigned to the device
                                  IMPLICIT INPUTS:
                                         none
                                  OUTPUT PARAMETERS:
                                         none
                                  IMPLICIT OUTPUTS:
                                         none
                                 ROUTINE VALUE:
                                         SS$_NORMAL if ACLs are allowed SS$_NOACLSUPPORT if ACLs are not allowed
                                 SIDE EFFECTS:
                                         none
                               !--
                              BEGIN
                               MAP
                                         CHANNEL
                                                              : WORD;
                               LOCAL
                                         STATUS,
DEVICE_UCB
DEVICE_ORB
CHANNEL_BLOCK
                                                                                                Local routine return status
                                                              : REF $BBLOCK,
                                                                                                Device UCB address
                                                              : REF $BBLOCK.
                                                                                                Device ORB address
                                                              : REF $BBLOCK:
                                                                                                Device CCB address
                              STATUS = IOC$VERIFYCHAN (.CHANNEL; CHANNEL_BLOCK);
IF NOT .STATUS THEN RETURN .STATUS;
DEVICE_UCB = .CHANNEL BLOCK[CCB$L_UCB];
DEVICE_ORB = .DEVICE_UCB[UCB$L_ORB];
                               ! If no ACLs are allowed, return an error.
                               IF .DEVICE_ORB[ORB$V_NOACL] THEN RETURN SS$_NOACLSUPPORT;
                                 If the device is unowned, and the protection is all access to everybody,
```

and there is no ACL present, require SYSPRV to change the ACL.

SY

					(	)00C	00000	GET_UCE	ACL:	Caus D2 D7	. 2150
			50	000000006	AC 00 50	3C 16	00002		MOVZWL JSB	Save R2,R3 CHANNEL, RO IOC\$VERIFYCHAN	: 2158 : 2202
			50		61	E9	0000C 0000F		JSB BLBC MOVL	STATUS. 5\$	2203
	06	08	50 52 50 A0 50	10	A2 03 8F	DO E1	00012 00016		MOVL BBC MOVZWL	(CHANNEL_BLOCK), DEVICE_UCB 28(DEVICE_UCB), DEVICE_ORB #3, 11(DEVICE_ORB), 1\$ #8892, RO	2203 2204 2205 2209
			50	22BC		3C	0001B 00020		MOVZWL RET TSTL		
					60 20 01	12	00021	15:	BNEQ	(DEVICE_ORB)	2214
	0A	0B	A0	28	01	E1 9E	00025		BBC MOVAB	#1, 11(DEVICE_ORB), 2\$ 40(DEVICE_ORB), R1	2215
			51	28 28	AO AO 11	01	0002E		CMPL BNEQ	40 (DEVICE ORB); R1	22.10
	04	0097	51	0000000G	00	DÖ	00034	2\$:	MOVL	CTLSGL_PCB, R1 #4, 135(R1), 3\$	2218
	04	0087	C1 50		24	E0 00	00041		MOVL BBS MOVL	#4, 135(R1), 3\$ #36, R0	2219
	09	08	AO		01	E0	00044	3\$:	RET BBS PUSHL	#1, 11(DEVICE_ORB), 4\$ DEVICE_ORB	2223
		0000000G	00		01	DD FB	0004A		CALLS	#1. ACL INIT QUEUE	
00000000.	EF	10	00 A2 50		01 50 01 28 01	C1	00053	45:	CALLS ADDL3 MOVL	#40, 28TDEVICE_UCB), ACL_QUEUE_HEAD #1, RO	2227 2229 2231
			-		•	D0 04	0005F	5\$:	RET		; 2231

; Routine Size: 96 bytes, Routine Base: \$CODE\$ + 1A09



```
SYSACLSRV
VO4-000
                 GET_CEB_ACL - get common event block ACL queue 16-Sep-1984 01:51:51 14-Sep-1984 12:40:53
 *SBTTL 'GET_CEB_ACL - get common event block ACL queue head address' ROUTINE GET_CEB_ACL (CLUSTER_NAME) =
                             FUNCTIONAL DESCRIPTION:
                                    This routine locates the ACL queue head for a common event block.
                             CALLING SEQUENCE:
GET_CEB_ACL (ARG1)
                             INPUT PARAMETERS:
                                    ARG1: address of the cluster name descriptor
                             IMPLICIT INPUTS:
                                    none
                             OUTPUT PARAMETERS:
                                    none
                             IMPLICIT OUTPUTS:
                                    none
                             ROUTINE VALUE:
                                    address of the ACL queue head or 0 if an error has occurred
                             SIDE EFFECTS:
                                    none
                           BEGIN
                                                      : REF $BBLOCK;
                                    CLUSTER_NAME
                           RETURN SS$_BADPARAM;
                           END:
                                                                                 ! End of routine GET_CEB_ACL
                                                              0000 00000 GET_CEB_ACL:
                                                                                    .WORD
                                                                                             Save nothing #20, RO
                                                                                    MOVL
                                            50
; Routine Size: 6 bytes,
                                Routine Base: $CODE$ + 1A6F
```

S

```
SYSACLSRV
VO4-000
                  GET_LNT_ACL - get logical name table ACL queue 16-Sep-1984 01:51:51 12:40:53
                                                                                                      VAX-11 Bliss-32 V4.0-742 [LOADSS.SRC]SYSACLSRV.B32;1
                           *SBTTL 'GET_LNT_ACL - get logical name table ACL queue head address' ROUTINE GET_ENT_ACL (TABLE_NAME) =
 FUNCTIONAL DESCRIPTION:
                                     This routine locates the ACL queue head for aLogical name
                                     table.
                              CALLING SEQUENCE:
GET_LNT_ACL (ARG1)
                              INPUT PARAMETERS:
                                     ARG1: address of the table name descriptor
                              IMPLICIT INPUTS:
                                     none
                              OUTPUT PARAMETERS:
                                     none
                              IMPLICIT OUTPUTS:
                                     none
                              ROUTINE VALUE:
                                     address of the ACL queue head or 0 if an error has occurred
                              SIDE EFFECTS:
                                     none
                           BEGIN
                           RETURN SS$_BADPARAM;
                           END:
                                                                                   ! End of routine GET_LNT_ACL
                                                               0000 00000 GET_LNT_ACL:
                                                                                     WORD
MOVL
RET
                                                                                               Save nothing #20, RO
                                             50
                                 Routine Base: $CODE$ + 1A75
; Routine Size: 6 bytes,
```

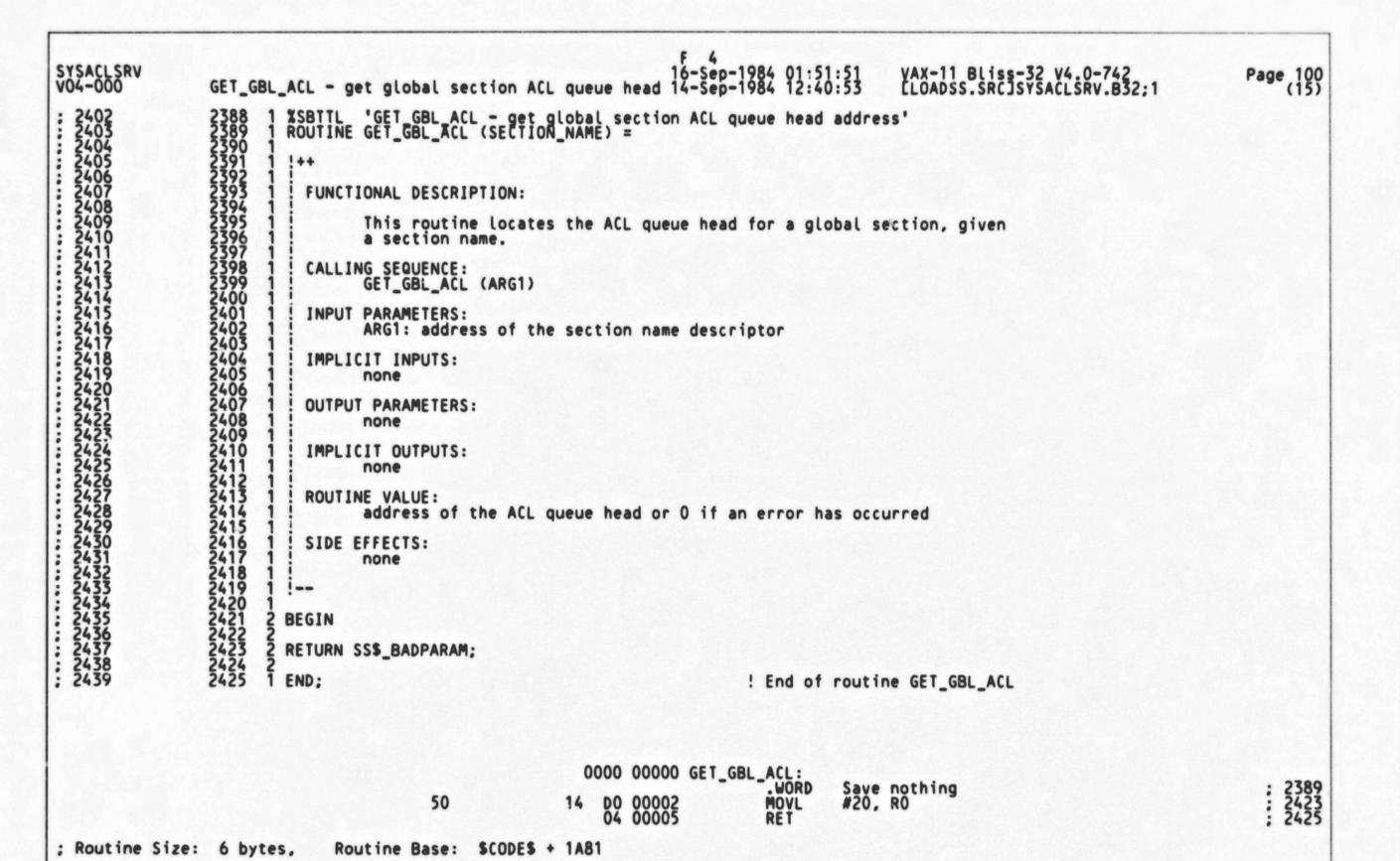
S

;

SYSACLSRV VO4-000 16-Sep-1984 01:51:51 GET\_PCB\_ACL - get process ACL queue head addres 14-Sep-1984 12:40:53 VAX-11 Bliss-32 V4.0-742 [LOADSS.SRC]SYSACLSRV.B32;1 \*SBTTL 'GET\_PCB\_ACL - get process ACL queue head address'
ROUTINE GET\_PCB\_ACL (PROCESS\_NAME) = FUNCTIONAL DESCRIPTION: This routine locates the ACL queue head for a process. CALLING SEQUENCE:
GET\_PCB\_ACL (ARG1) INPUT PARAMETERS: ARG1: address of the process name descriptor IMPLICIT INPUTS: none **OUTPUT PARAMETERS:** none IMPLICIT OUTPUTS: none ROUTINE VALUE: address of the ACL queue head or 0 if an error has occurred SIDE EFFECTS: none BEGIN RETURN SS\$\_BADPARAM; END: ! End of routine GET\_PCB\_ACL 0000 00000 GET\_PCB\_ACL: .WORD MOVL RET Save nothing #20, RO DO 00002 04 00005 50

; Routine Size: 6 bytes,

Routine Base: \$CODE\$ + 1A7B



\*1

```
SYSACLSRV
VO4-000
                                                                                         16-Sep-1984 01:51:51
14-Sep-1984 12:40:53
                                                                                                                          VAX-11 Bliss-32 V4.0-742 LLOADSS.SRCJSYSACLSRV.B32;1
                                                                                                                                                                            Page 101
(16)
                      ACL_DISPATCH - main ACL function dispatcher
                                 %SBTTL 'ACL_DISPATCH - main ACL function dispatcher'
ROUTINE ACL_DISPATCH (ITEM_COUNT, ITEM_LIST, SHARE) =
  FUNCTIONAL DESCRIPTION:
                                            This routine is called to perform the appropriate ACL operations. The code is checked for validity and, when necessary, the buffer is probed for the desired access.
                                    CALLING SEQUENCE:
ACL_DISPATCH (ARG1, ARG2, ARG3)
                                    INPUT PARAMETERS:
                                            ARG1: count of items to process ARG2: address of the item list
                                            ARG3: 1 if the operation is only reading the ACL 0 if the ACL is being modified
                                    IMPLICIT INPUTS:
                                            ACL_CONTEXT: previous ACL context
                                    OUTPUT PARAMETERS:
                                            NONE
                                    IMPLICIT OUTPUTS:
                                            ACL_CONTEXT: new ACL context
                                    ROUTINE VALUE:
                                    SIDE EFFECTS:
                                            The appropriate action routine is called. Possible ACL modification
                                            may result.
                                 BEGIN
                                 MAP
                                            ITEM_LIST
                                                                  : REF BLOCKVECTOR [, ITM$S_ITEM, BYTE];
                                   Cells defined to tie off references made in the module ALLOCB obtained from
                                 ! the XQP.
                                           LITERAL
CONTEXT_SAVE
CURRENT_WINDOW
IO_PACKET
                                 GLOBAL
                                                                 = 0,
                                 LOCAL
                                            ACL_STATUS,
STATUS,
FUNCTION_CODE,
                                                                                                       Status returned by ACL operation
                                                                                                       Routine return status
                                                                                                       Operation to perform
Size of user buffer
                                            SIZE,
BUFFÉR
                                                                   : REF $BBLOCK.
                                                                                                       Address of user buffer
```

E)

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SYSACLSRV
VO4-000
                                                                                           16-Sep-1984 01:51:51
14-Sep-1984 12:40:53
                                                                                                                             VAX-11 Bliss-32 V4.0-742 
ELOADSS.SRCJSYSACLSRV.B32;1
                      ACL_DISPATCH - main ACL function dispatcher
                                             LOCAL_LOCKID;
                                                                    : VECTOR [4, WORD],
                                                                                                       ! Lock status block
! Local copy of the lock-id
                               2 ! Initialize local storage.
                                 CHSFILL (0, 4*2, LOCAL IOSB);
LOCAL IOSB[0] = SS$_NORMAL;
ACL_STATUS = STATUS = SS$_NORMAL;
                                                                                                         Assume success
                                                                                                      ! Here also
                               2 ! Take out the mutex on the specified ACL.
                      24496789901234596789901123456789012555067890012355116789012555118901
                                 IF .SHARE
THEN SCH$LOCKR (.ACL_QUEUE_HEAD - $BYTEOFFSET (ORB$L_ACLFL) + $BYTEOFFSET (ORB$L_ACL_MUTEX), .CTL$GL_PCB)
ELSE SCH$LOCKW (.ACL_QUEUE_HEAD - $BYTEOFFSET (ORB$L_ACLFL) + $BYTEOFFSET (ORB$L_ACL_MUTEX), .CTL$GL_PCB);
                                  ! Loop over the item list, processing each item.
                                  INCR J FROM 0 TO .ITEM_COUNT-1
                                        BEGIN
                                       FUNCTION_CODE = .ITEM_LIST[.J, ITM$W_ITMCOD];
SIZE = .ITEM_LIST[.J, ITM$W_BUFSIZ];
BUFFER = .ITEM_LIST[.J, ITM$L_BUFADR];
                                 ! Dispatch on the function code.
                                        CASE .FUNCTION_CODE FROM MIN_ACL_ATR TO MAX_ACL_ATR OF
                                             [ACL$C_ADDACLENT]:
                                                   IF .SHARE
                                                   THEN STATUS = SS$ BADPARAM
ELSE IF NOT EXESPROBER (.CALL_ACMODE, .SIZE, .BUFFER)
                                                   THEN STATUS = SS$_ACCVIO
                                                   ELSE IF .ACL_STATUS
                                                   THEN ACL_STATUS = ACL_ADDENTRY (.ACL_QUEUE_HEAD, ACL_CONTEXT, .SIZE, .BUFFER);
                                             [ACL$C_DELACLENT]:
                                                   IF .SHARE
                                                   THEN STATUS = SS$ BADPARAM
ELSE IF NOT EXESPROBER (.CALL_ACMODE, .SIZE, .BUFFER)
                                                   THEN STATUS = SS$_ACCVIO
                                                   THEN ACL_STATUS = ACL_DELENTRY (.ACL_QUEUE_HEAD, ACL_CONTEXT, .SIZE, .BUFFER);
                                             [ACL$C_MODACLENT]:
                                                    IF . SHARE
                                                   THEN STATUS = SS$ BADPARAM
ELSE IF NOT EXESPROBER (.CALL_ACMODE, .SIZE, .BUFFER)
                                                   THEN STATUS = SS$_ACCVIO
                                                   ELSE IF .ACL_STATUS
```

EX

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```
SYSACLSRV
VO4-000
                                                                                16-Sep-1984 01:51:51
14-Sep-1984 12:40:53
                                                                                                               VAX-11 Bliss-32 V4.0-742 [LOADSS.SRC]SYSACLSRV.B32;1
                    ACL_DISPATCH - main ACL function dispatcher
  THEN ACL_STATUS = ACL_MODENTRY (.ACL_QUEUE_HEAD, ACL_CONTEXT, .SIZE, .BUFFER);
                                        [ACLSC_FNDACLENT]:
                                             BEGIN

IF NOT EXESPROBEW (.CALL_ACMODE, .SIZE, .BUFFER)

THEN STATUS = SS$_ACCVIO
                                             ELSE ACL_STATUS = ACL_FINDENTRY (.ACL_QUEUE_HEAD, ACL_CONTEXT, .SIZE, .BUFFER, 0);
                                        [ACL$C_FNDACETYP]:
                                             BEGIN

IF NOT EXESPROBEW (.CALL_ACMODE, .SIZE, .BUFFER)

THEN STATUS = SS$_ACCVIO

THEN STATUS = ACL FINDTYPE (.ACL_QUEUE_HEAD,
                                             ELSE ACL_STATUS = ACL_FINDTYPE (.ACL_QUEUE_HEAD, ACL_CONTEXT, .SIZE, .BUFFER, 0);
                                        [ACLSC_DELETEACL]:
                                             BEGIN
                                              IF .SHARE
                                             THEN STATUS = SS$_BADPARAM
                                             ELSE IF .ACL_STATOS
                                             THEN ACL_STATUS = ACL_DELETEACL (.ACL_QUEUE_HEAD, ACL_CONTEXT);
                                        [ACL$C_READACL]:
                                             BEGIN
                                             IF NOT EXESPROBEW (.CALL_ACMODE, .SIZE, .BUFFER)
THEN STATUS = SS$_ACCVIO
                                             ELSE ACL_STATUS = ACL_READACL (.ACL_QUEUE_HEAD, ACL_CONTEXT, .SIZE, .BUFFER);
                                        [ACL$C_ACLLENGTH]:
                                             IF NOT EXESPROBEW (.CALL_ACMODE, .SIZE, .BUFFER)
THEN STATUS = SS$_ACCVIO
                                             ELSE ACL_STATUS = ACL_ACLLENGTH (.ACL_QUEUE_HEAD, ACL_CONTEXT, .SIZE, .BUFFER);
                                        [ACLSC READACE]:
                                             IF NOT EXESPROBEW (.CALL_ACMODE, .SIZE, .BUFFER)
THEN STATUS = SSS_ACCVIO
                                             ELSE ACL_STATUS = ACL_READACE (.ACL_QUEUE_HEAD, ACL_CONTEXT, .SIZE, .BUFFER);
                                        CACLSC_RLOCK_ACL;
ACLSC_WLOCK_ACLJ:
BEGIN
                                             IF .SIZE LSSU 4
THEN STATUS = SS$ BADPARAM
ELSE IF NOT EXESPROBEW (.CALL_ACMODE, .SIZE, .BUFFER)
                                             THEN STATUS = SS$_ACCVIO
                                             ELSE
                                                  STATUS = SENG (LKMODE = (IF .FUNCTION_CODE EQL ACLSC_RLOCK_ACL
```

Page 103 (16)

DE

```
SYSACLSRV
VO4-000
                                                                                                              16-Sep-1984 01:51:51
14-Sep-1984 12:40:53
                                                                                                                                                        VAX-11 Bliss-32 V4.0-742
LLOADSS.SRCJSYSACLSRV.B32;1
                                                                                                                                                                                                                      Page 104
(16)
                                                                THEN LCK$K_CRMODE ELSE LCK$K_PWMODE),

LKSB = LOCAL_IOSB,

RESNAM = LOCK_RESNAM,

PARID = (IF .CALL_ACMODE EQL PSL$C_USER

THEN .PARENT_ID

ELSE 0),

FLAGS = LCK$M_NOQUEUE OR

LCK$M_SYNCSTS OR

LCK$M_SYNCSTS OR

LCK$M_SYSTEM,

ACMODE = PSL$C_USER);

IF .STATUS THEN STATUS = .LOCAL_IOSB[0];

CH$COPY (4, LOCAL_IOSB[2],
                           ACL_DISPATCH - main ACL function dispatcher
                           .SIZE, .BUFFER);
                                                                                                                                         ! Copy lock-id
                                                                     END:
                                                              END:
                                                      [ACL$C_UNLOCK_ACL]:
BEGIN
IF .SIZE LSSU 4
THEN STATUS = SS$_BADPARAM
ELSE IF NOT EXE$PROBER (.CALL_ACMODE, .SIZE, .BUFFER)
THEN STATUS = SS$_ACCVIO
                                                              ELSE
                                                                    BEGIN
CH$COPY (.SIZE, .BUFFER, 0, 4, LOCAL_LOCKID);
STATUS = $DEQ (LKID = .LOCAL_LOCKID);
                                                                     END;
                                                              END:
                                                      [INRANGE, OUTRANGE]:
    BEGIN
    STATUS = SS$_BADPARAM;
                                                              END:
                                                TES;
                                                IF NOT .STATUS THEN EXITLOOP;
                                                END:
                                            If an error occurred because of an access violation or an access conflict (trying to modify the ACL when only holding a read lock), return it. Otherwise
                                            return any error that may have occurred during the ACL processing.
                                         IF .STATUS THEN STATUS = .ACL_STATUS;
                                         ! Release the ACL mutex.
                                         SCHSUNLOCK (.ACL_QUEUE_HEAD - $BYTEOFFSET (ORB$L_ACLFL) + $BYTEOFFSET (ORB$L_ACL_MUTEX), .CTL$GL_PCB);
                                         RETURN .STATUS;
                                         END:
                                                                                                                            ! End of routine ACL_DISPATCH
```

\$0

\$0

SF

YSACLSRV 04-000	ACL_DISPATC	H - main AC	L fu	unction di	spate	her	1	-Sep-1	984 01:51 984 12:40	:51	VAX-11 Bliss-32 V4.0-742 [LOADSS.SRC]SYSACLSRV.B32;1	Page 105 (16)
								CONTEX CURREN IO_PAC	T_SAVE== T_WINDOW= KET==	•	8	
08	50	000000000	5E 6E 55B 55B 55E 6E 6B	08 000000000 0C 000000000	10 00 AE 01 01 01 024 AC	DFFC C2C B00 D00 D00 D00 D00 D00 D00 D00 D00 D00		ACL_DI	SPATCH: .WORD SUBL2 MOVC5  MOVW MOVL MOVL MOVL SUBL3 MOVL BLBC JSB BRB JSB MNEGL	<b>#</b> 0,	R2,R3,R4,R5,R6,R7,R8,R9,R10,R11 SP (SP), #0, #8, LOCAL_IOSB  LOCAL_IOSB STATUS ACL_STATUS GL_PCB, R4 ACL_QUEUE_HEAD, R0 R, (SP) 18 LOCKR	2427 2488 2489 2490 2495 2494
00BA 0169 022F	51 50 50 50 08 0083 0138 0108	000	56 551 551 551 551 561 04F 11A 1C8	000000000 08 02 08 08 04	00 01 0291 0291 00 AC AO AC AO AC AO AC AO AC AO AC AO AC AO AO AC AO AO AC AO AO AO AO AO AO AO AO AO AO AO AO AO	116 CE 315 CC1 CC1 CC1 CC1 CC1 CC1 CC1 CC1 CC1 C	00034 0003A 0003D 00044 00049 00055 0005A 00062 00062			STA #1462 FRO FOR STA F A STA	J, R1 LIST, R1, R0 J, FUNCTION CODE LLIST, R1, R0 J, SIZE LLIST, R1, R0 J, BUFFER TION_CODE, #1, #11	2505 2506 2506 2510
		00000000G	FA 50 53 655 7E 00 C6 50	000000000	0219 588 577 E00 587 EFF 049 688	31800006990F180	0007A 0007D 00080 00083 00086 0008D 00096 00096 00096 000AF 000B1 000B4	5\$: 6\$:	BRW BLBS MOVL MOVL JSB BLBC BLBC MOVQ PUSHAB PUSHL CALLS BRB BLBS MOVL	26\$\$- 26\$\$- 26\$\$- 36\$\$-	ÉR, RO  ÉR, RO  ACMODE, R3  PROBER  9\$  STATUS, 10\$  -(SP)  CONTEXT  QUEUE_HEAD  ACL_ADDENTRY  ER, RO	2630 2515 2517 2517 2520

Ps

DC

SYSACLSRV 104-000	ACL_DISPATCH - main AC	L function dispat	cher	16-Sep-1 14-Sep-1	984 01:51 984 12:40	:51 VAX-11 Bliss-32 V4.0-742 :53 [LUADSS.SRC]SYSACLSRV.B32;1	Page 106 (16)
		51 53 000000000 EF 000000000 00	D0 D0 16	000B7 000BA 000C1	MOVL JSB	SIZE, R1 CALL ACMODE, R3 EXESPROBER	
		65 50 31 58 7E 57	E9	000C1 000C7 000CA 000CD 000D0	BLBC BLBC MOVQ	RO, 14\$ ACL_STATUS, 10\$ SIZE, -(SP)	2529 2530
	000000006	00000000° EF	9F DD FB	000DC	PUSHAB PUSHL CALLS	RO, 14\$ ACL_STATUS, 10\$ SIZE, -(SP) ACL_CONTEXT ACL_QUEUE_HEAD #4, ACL_DELENTRY 15\$	
		92 65 50 58	11 E8 D0	000E3 000E5 8\$:	MOVL JSB BLBC BLBC MOVQ PUSHAB PUSHL CALLS BRB BLBS MOVL MOVL JSB BLBC BLBS		253 253
		53 00000000 EF	D0	000EE 000F5	MOVL	(SP), 5\$ BUFFER, RO SIZE, R1 CALL ACMODE, R3 EXE\$PROBER RO, 17\$ ACL_STATUS, 11\$	
		61 50 03 58 0081	E9 E8	000FB 9\$: 000FE 10\$:	BLBS	ACL_STATUS, 11\$	2539
	000000006	7E 00000000' EF	70 9F 00 FB	00107 0010D	BRW MOVQ PUSHAB PUSHL CALLS	SIZE, -(SP) ACL_CONTEXT ACL_QUEUE_HEAD #4, ACL_MODENTRY 22\$	2540
	00000000	7F	4 4	AA444 436	MUNI	22\$ BUFFER, RO	2545
		50 51 53 000000000 EF 000000000 00 7E	DO 169 D4 7D 9F	0011F 00122 00129	MOVL MOVL JSB BLBC CLRL MOVQ PUSHAB	BUFFER, RO SIZE, R1 CALL ACMODE, R3 EXESPROBEW RO, 248 -(SP)	
		7E 50	E9 D4	0012F 14\$: 00132	BLBC	RO, 24\$ -(SP)	2547
	00000006	7E 00000000' EF	7D 9F DD FB		MOVQ PUSHAB PUSHL CALLS BRB	ACL_CONTEXT ACL_QUEUE HEAD	
	00000000	70	11 D0	0014A 15\$: 0014C 16\$:	BRB		2552
		50 58 51 57 53 00000000 EF 000000000 00		0014F 00152	MOVL MOVL JSB BLBC CLRL MOVQ PUSHAB PUSHL CALLS BRB BLBC RRW	BUFFER, RO SIZE, R1 CALL ACMODE, R3 EXESPROBEW RO, 27\$ -(SP)	
		53 00000000° EF 0000000006 00 7C 7E 7E 57	E9	0015F 17\$:	BLBC CLRL	RO, 27\$ -(\$P)	2554
		7E 00000000' EF	7D 9F	00164 00167	MOVQ PUSHAB	SIZE, -(SP) ACL_CONTEXT ACL_QUEUE_HEAD #5, ACL_FINDTYPE 28\$ (SP), 19\$ 40\$	
	00000000G	00000000° EF 00000000° EF 05 78	FB	0016D 00173	CALLS	#5 ACL_FINDTYPE	
		03 6E	É9	0017C 18\$:	BLBC	(SP), 19\$	2559
		03 58	Ĕ8 31	00182 19\$: 00185 20\$: 00188 21\$:	BLBS	ALL_STATUS, 213	2561
	00000000	03 03 0114 03 000000000 EF	51 51 51 51 51 51 51 51 51 51 51 51 51 5	0014C 16\$: 0014F 00152 00159 0015F 17\$: 00162 00164 00167 0016D 0017A 0017C 18\$: 0017F 00185 20\$: 00188 21\$: 00188 00194 00198 22\$: 00190 001A3 001AA	BRW BLBS BRW PUSHAB PUSHL CALLS	ACL_CONTEXT ACL_QUEUE_HEAD #2, ACL_DELETEACL 28\$ BUFFER, RO SIZE, R1 CALL_ACMODE, R3 EXESPROBEW	2562
	00000006	54	- 11	00198 22\$: 00190 23\$:	BRB	28\$ BUFFER RO	2567
		50 51 53 00000000° EF 000000006	DO DO 16	001A0 001A3	BRB MOVL MOVL MOVL JSB	SIZE, R1 CALL ACMODE, R3	

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SACLSRV 4-000	ACL_DISPATCH - main AC	CL f	unction dis	pato	her	12	4-Sep-	1984 01:51 1984 12:40		Page 10 (16
	0000000G	59 7E 00	00000000:	50 57 EF 04	59 70 95 00 58	001B0 001B3 001B6 001C2 001C9 001CB 001CB 001D1 001D8	24\$:	BLBC MOVQ PUSHAB PUSHL CALLS	RO, 30\$ SIZE, -(SP) ACL_CONTEXT ACL_QUEUE_HEAD #4, ACL_READACL 31\$	256
		50 51 53	000000000 000000000	557 E0057	DO DO 16	001CB 001CE 001D1 001D8	25\$: 26\$:	MOVL	BUFFER, RO SIZE, R1 CALL ACMODE, R3 EXESPROBEW RO, 33\$ SIZE, -(SP) ACL_CONTEXT ACL_QUEUE_HEAD #4, ACL_ACLLENGTH 31\$	257
	0000000G	61 7E 00	00000000:	257 EFF 02587	70 9F 0D FB	001DE 001E1 001E4 001EA 001F0	27\$:	JSB BLBC MOVQ PUSHAB PUSHL CALLS	RO, 335 SIZE, -(SP) ACL_CONTEXT ACL_QUEUE_HEAD #4, ACL_ACLLENGTH	257
		50 51 53	00000000°		11 00 00 00 16	001F7 001F9 001FC 001FF 00206	28\$: 29\$:		SIZE, R1 CALL ACMODE, R3	258
	0000000G	33 7E	000000000	EF00057 EFF040	DO D	001F9 001FF 00206 0020C 0020F 00212 00218	30\$:	MOVL MOVL JSB BLBC MOVQ PUSHAB PUSHL CALLS	RO, 33\$ SIZE, -(SP) ACL_CONTEXT ACL_QUEUE_HEAD #4, ACL_READACE RO, ACL_STATUS	258
	,	00 5B 04		6F 57	D0 11 D1	00225 00228 0022A	31\$: 32\$:	BRB CMPL	RO, ACL_STATUS 41\$ SIZE, #4 40\$	251 259
		50 51 53	000000000	67 58 57 EF 00	1F DO DO 16	00225 00228 0022A 0022D 00235 00235		BLSSU MOVL MOVL MOVL JSB	BUFFER, RO SIZE, R1 CALL ACMODE, R3	259
		6C 7E		50 7E 7E	7D 7C	00242 00245 00248 0024A 0024C	33\$:	BLBC MOVQ CLRQ CLRL	#3, -(SP) -(SP)	260
		03	00000000	EF 08 EF 02 7E	04 01 12 00 11	00255		CMPL BNEQ PUSHL BRB	CALL_ACMODE, #3 34\$ PARENT_ID 35\$ -(SP)	
		•	00000000°	FF 1C AE 5A	94 95 95	00255 0025B 0025D 0025F 00267 0026A 0026A	34\$: 35\$:	PUSHAB PUSHL PUSHAB	LOCK_RESNAM #28 LOCAL_IOSB FUNCTION_CODE, #10 36\$	
		0A		04	D1 12 DD 11		368:	CMPL BNEQ PUSHL BRB PUSHI	FUNCTION_CODE, #10 36\$ #1 37\$ #4 -(SP)	
	0000000G	00 59 04		024 7B 559 A48	D04B09CC	00273 00275 00277 0027E 00281 00284 00288	36\$: 37\$:	BLBC MOVQ CLRQ CLRL CMPL BNEQ PUSHL PUSHAB PUSHAB CMPL BNEQ PUSHL BNEQ PUSHL BNEQ PUSHL BNEQ PUSHL BNEQ PUSHL BNEQ PUSHL CALLS MOVL BLBC MOVC5	-(SP) #11, SYSSENQ RO, STATUS STATUS, 38\$ LOCAL_IOSB, STATUS #4, LOCAL_IOSB+4, #0, SIZE, (BUFFER)	260
57	00 OC	S9 AE	08	AE 04	3C	00284 00288	38\$:	MOVZWL MOVC5	W4, LOCAL_IOSB, STATUS W4, LOCAL_IOSB+4, W0, SIZE, (BUFFER)	261

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SACLSRV 04-000	ACL_	DISPATCH	- main AC	L fu	unction dis	pat	cher	1	5-Sep-198	34 01:51	:51 :53	VAX-11 Bliss-32 V4.0-742 [LOADSS.SRC]SYSACLSRV.B32;1	Page 10 (16
				04		3D 57	11 01	0028F 00291	39\$:	BRB CMPL	45\$ \$17E.	#4	; 251 ; 261
				59		14	DO	00294	405:	MOVL	#20. 45\$	STATUS	261
				50 51 53	00000000°	587 E00	DO DO 16	0029B 0029E 002A1 002A8	40\$: 41\$: 42\$:	BRB CMPL BGEQU MOVL BRB MOVL MOVL JSB BLBS MOVL BRB MOVC 5	BUFFE	R, RO R1 ACMODE, R3 ROBER 4\$ STATUS	261
				05 59		00	D0	002AE 002B1	438:	MOVL	RO 4	STATUS	: 262
04		00		68	04	57 AE	50	002B6 002BB	448:	MOVC5	7/3	(BUFFER), #0, #4, LOCAL_LOCKID	262
		0	0000000G	00	10	7E AE 4059	7C D4 DD FB D0	002BD 002BF 002C1 002C4 002CB	/50.	CLRQ CLRL PUSHL CALLS MOVL BLBC AOBLSS BRB BRW BLBC MOVL SUBL3	M/ C	LOCKID VS\$DEQ TATUS	262
		02		10 56	04	AC	F2	00201 00206	45\$:	AOBLSS BRB	ITEM_	TATUS S, 49\$ COUNT, J, 47\$	263 250
				03	•	9 59	51 E9	002DB	47\$: 48\$:	BLBC	STATU	S. 49\$	: 264
		50 0	00000000	EF 54	000000006 000000006	0659 558 200 59	00 C3 D0 16	002E1 002E9 002F0	49\$:	SUBL3 MOVL JSB MOVL RET	#36, CTL\$G	S, 49\$ TATUS, STATUS ACL_QUEUE_HEAD, RO L_PTB, R4 NEOCK S, RO	264
				50		59	04	002F6 002F9		MOVL RET	STATU	S, RO	26

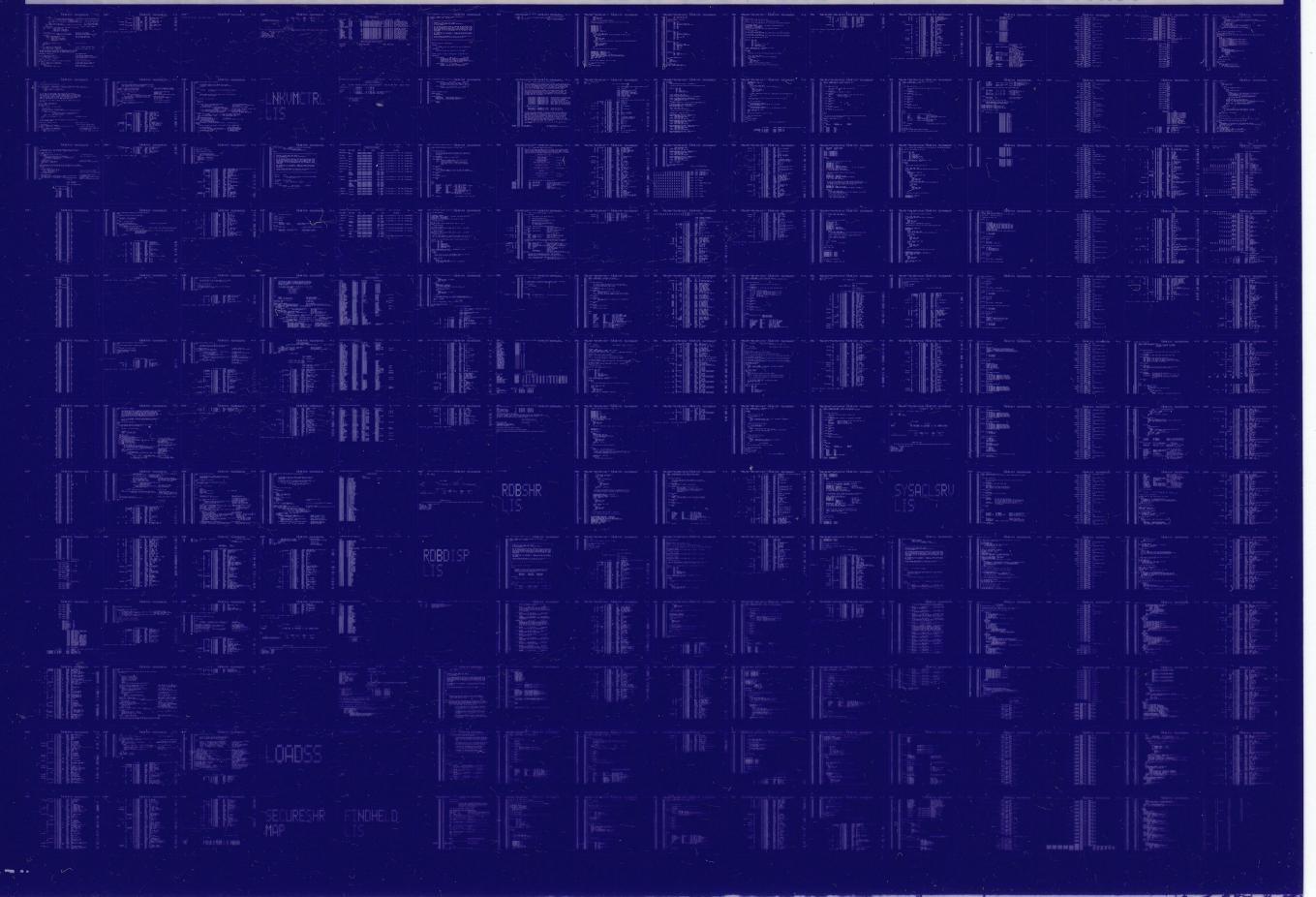
```
B 5
16-Sep-1984 01:51:51
RUNDOWN_CHANGE_ACL - run down $CHANGE_ACL conte 14-Sep-1984 12:40:53
SYSACLSRV
VO4-000
                                                                                                                          VAX-11 Bliss-32 V4.0-742 
LLOADSS.SRCJSYSACLSRV.B32:1
                                                                                                                                                                            Page 109
(17)
                                 %SBTTL 'RUNDOWN CHANGE ACL - run down $CHANGE ACL context' GLOBAL ROUTINE RUNDOWN CHANGE ACL =
  FUNCTIONAL DESCRIPTION:
                                            This routine is called to perform the appropriate ACL operations. The code is checked for validity and, when necessary, the buffer
                                            is probed for the desired access.
                                    CALLING SEQUENCE:
RUNDOWN_CHANGE_ACL ()
                                    INPUT PARAMETERS:
                                            NONE
                                    IMPLICIT INPUTS:
                                            PARENT_ID: lock ID of parent for ACL locks
                                    OUTPUT PARAMETERS:
                                            NONE
                                    IMPLICIT OUTPUTS:
                                            NONE
                                    ROUTINE VALUE:
                                    SIDE EFFECTS:
                                            All ACL locks taken out by user mode $CHANGE_ACL calls, plus the
                                            parent lock, are dequeued.
                                BEGIN
                              2 IF .PARENT_ID NEQ 0
2 THEN
3 BEGIN
                                      BEGIN
                                      SDEQ (LKID = .PARENT ID,
FLAGS = LCKSM DEQALL);
SDEQ (LKID = .PARENT_ID);
                                       PARENT_ID = 0;
                              2
2
1
1 END;
                                       END:
                                                                                        ! End of routine RUNDOWN_CHANGE_ACL
                                                                                                                 RUNDOWN_CHANGE_ACL, Save R2,R3
SYS$DEQ, R3
PARENT_ID, R2
PARENT_ID, R0
                                                                                                                                                                                 2652
                                                                                                       .ENTRY
                                                                                                       MOVAB
                                                                                                       MOVAB
                                                                                                                                                                                 2688
```

MOVL

SYSACLSRV V04-000	C 5 16-Sep-1984 01:51:51 VAX-11 Bliss-32 V4.0-742 RUNDOWN_CHANGE_ACL - run down \$CHANGE_ACL conte 14-Sep-1984 12:40:53 [LOADSS.SRC]SYSACLSRV.B32;1	Page 11
	14 13 00013 BEQL 1\$ 01 DD 00015 PUSHL #1 7E 7C 00017 CLRQ -(SP) 50 DD 00019 PUSHL R0 63 04 FB 0001B CALLS #4, SYS\$DEQ 7E 7C 0001E CLRQ -(SP) 7E D4 00020 CLRL -(SP) 62 DD 00022 PUSHL PARENT ID 63 04 FB 00024 CALLS #4, SYS\$DEQ 64 D4 00027 CLRL PARENT ID 50 01 D0 00029 1\$: MOVL #1, R0	269
	7E D4 00020 CLRL -(SP) 62 DD 00022 PUSHL PARENT ID 63 04 FB 00024 CALLS #4, SYS\$DEQ 62 D4 00027 CLRL PARENT_ID 50 01 D0 00029 1\$: MOVL #1, R0 04 0002C RET	269 269
; Routine Size:	45 bytes, Routine Base: \$CODE\$ + 1D81	
2715 2716 2717	2699 1 2700 1 END 2701 0 ELUDOM	
	PSECT SUMMARY	
SOWNS SPLITS LIBSKEYOS LIBSSTATES LIBSKEY1S SCODES ABS	Attributes  1171 NOVEC, WRT, RD ,NOEXE,NOSHR, LCL, REL, CON,NOPIC,ALIGN(2) 1396 NOVEC,NOWRT, RD ,NOEXE,NOSHR, LCL, REL, CON,NOPIC,ALIGN(2) 42 NOVEC,NOWRT, RD , EXE, SHR, LCL, REL, CON, PIC,ALIGN(1) 664 NOVEC,NOWRT, RD , EXE, SHR, LCL, REL, CON, PIC,ALIGN(1) 213 NOVEC,NOWRT, RD , EXE, SHR, LCL, REL, CON, PIC,ALIGN(1) 7598 NOVEC,NOWRT, RD , EXE,NOSHR, LCL, REL, CON,NOPIC,ALIGN(2) 0 NOVEC,NOWRT,NORD,NOEXE,NOSHR, LCL, ABS, CON,NOPIC,ALIGN(0)	
	Library Statistics	
File	Total Loaded Percent Mapped Time	
\$255\$DUA28:[ _\$255\$DUA28:[	SYSLIB]LIB.L32:1 18619 211 1 1000 00:01:8 SYSLIB]TPAMAC.L32:1 42 28 66 14 00:00.2	
; Information: ; Warnings: ; Errors:		

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